AH68-02019B(REV:1.0)

GB

7.1CH Blu-ray Home Cinema System

user manual

HT-BD2

imagine the possibilities

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To receive a more complete service,
please register your product at
www.samsung.com/global/register

SAMSUNG

key features of your new Blu-ray Home Cinema

PLAYER FEATURES

Multi-Disc Playback & FM Tuner
The HT-BD2 combines the convenience of multi-disc playback capability, including BD-ROM, DVD-VIDEO, DVD-RW/-R(V mode), CD, MP3-CD and CD-R/RW, with a sophisticated FM tuner, all in a single player.

Dolby Pro Logic IIx
Dolby Pro Logic IIx is a form of multi-channel audio signal decoding technology that improves upon existing Dolby Pro Logic.

Dolby Digital Plus
Dolby Digital Plus is the next-generation audio technology for all high-definition programming and media.

Dolby TrueHD
Dolby TrueHD is Dolby's next-generation lossless technology developed for high-definition disc-based media.

DTS (Digital Theater Systems)
DTS is an audio compression format developed by Digital Theater Systems Inc.

DTS-HD (Digital Theater Systems - High Definition)
DTS-HD Audio provides the highest quality multi-channel sound possible.
It delivers sound quality that matches the clear and vivid images of high-definition video.

TV Screen Saver Function
If the main unit remains in stop mode for 10 minutes, the Samsung logo appears on TV screen.
The HT-BD2 automatically switches itself into the power saving mode after 20 minutes in the Screen Saver mode.

Power Saving Function
The HT-BD2 automatically shuts itself off after 30 minutes in Stop mode.

HDMI
HDMI transmits DVD video and audio signals simultaneously, and provides a clearer picture.
The 1080p(Full HD) resolution provides even clearer pictures.

Anynet+(HDMI-CEC) Function
Anynet+ is a function that can be used to operate the main unit of this system using a Samsung TV remote control, by connecting the Blu-ray Home Theater to a SAMSUNG TV using an HDMI Cable. (This is only available with SAMSUNG TVs that support Anynet+.)

BLU-RAY DISC FEATURES

Blu-ray Discs can store 25 GB (single layer) or 50 GB (dual layer) on a single sided disc - about 5 to 10 times the capacity of a DVD. Blu-ray Discs also support the highest quality HD video available in the industry (up to 1920 x 1080 at 40 Mbit/sec) - Large capacity means no compromise on video quality. Furthermore, a Blu-ray Disc has the same familiar size and look as DVD.

* The following Blu-ray Disc features are disc dependant and will vary. Appearance and navigation of features will also vary from disc to disc. Not all discs will have the features described below.

Video highlights
The BD-ROM format for movie distribution supports three highly advanced video codecs, including AVC, VC-1, and MPEG-2.
HD video resolutions are also available:

- 1920 x 1080 HD
- 1280 x 720 HD

For High-Definition Playback
To view high-definition contents in BD discs, an HDTV (High Definition Television) is required. Some discs may require using the player's HDMI OUT to view high-definition content. The ability to view high-definition content on BD discs may be limited depending on the resolution of your TV.

Graphic planes

Two individual, full HD resolution (1920x1080) graphic layers are available, on top of the HD video layer. One layer is assigned to video-related graphics (like subtitles), and the other layer is assigned to interactive elements, such as buttons or menus. Various wipes, fades and scroll effects may be available on both layers.

Menu graphics

Support 256 full color resolution graphics and animation, thereby greatly surpassing the capabilities of DVD-Video. Unlike DVD, Menus can be accessed during video playback.

Menu sounds

When you highlight or select a menu option on a Blu-ray Disc, sounds can be heard such as button clicks or a voice-over explaining the highlighted menu choice.

Multi-page/PopUp Menus

With DVD-Video, playback is interrupted each time a new menu screen is accessed. Due to Blu-ray Disc's ability to preload data from the disc without interrupting playback, a menu may consist of several pages.
You can browse through the menu pages or select different menu paths, while the audio and video remain playing in the background.

Interactivity

Certain Blu-ray Discs may contain Animated menus and Trivia games.

User Browsable Slideshows

With Blu-ray Discs, you can browse through various still pictures while the audio remains playing.

Subtitles

Depending on what is contained on the Blu-ray Disc, you may be able to select different font styles, sizes and colors for the subtitles, Subtitles may also be animated, scrolled or faded in and out.

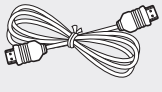
WHAT'S INCLUDED

Check for the supplied accessories below.

Video Cable

FM Antenna

User's Manual



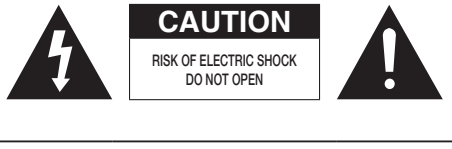
HDMI Cable

Remote Control

safety information

SAFETY WARNINGS

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER(OR BACK).
NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol indicates “dangerous voltage” inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying the product.

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT
PRODUCTO LASER CLASE 1

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED, AVOID EXPOSURE TO BEAM.

WARNING : To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.
- This apparatus shall always be connected to a AC outlet with a protective grounding connection.
- To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.

CAUTION
- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- The Mains plug is used as a disconnect device and shall stay readily operable at any time.

Wiring the Main Power Supply Plug (UK Only)

IMPORTANT NOTICE

The main lead on this equipment is supplied with a moulded plug incorporating a fuse. The value of the fuse is indicated on the pin face of the plug and if it requires replacing, a fuse approved to BS1362 of the same rating must be used.
Never use the plug with the fuse cover removed. If the cover is detachable and a replacement is required, it must be of the same colour as the fuse fitted in the plug. Replacement covers are available from your dealer.
If the fitted plug is not suitable for the power points in your house or the cable is not long enough to reach a power point, you should obtain a suitable safety approved extension lead or consult your dealer for assistance.
However, if there is no alternative to cutting off the plug, remove the fuse and then safely dispose of the plug. Do not connect the plug to a main socket as there is a risk of shock hazard from the bared flexible cord.

Never attempt to insert bare wires directly into a main socket. A plug and fuse must be used at all times.

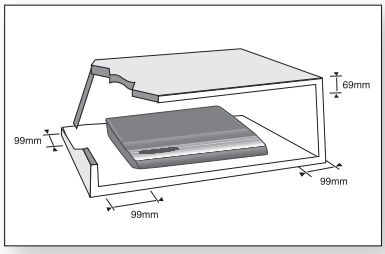
IMPORTANT

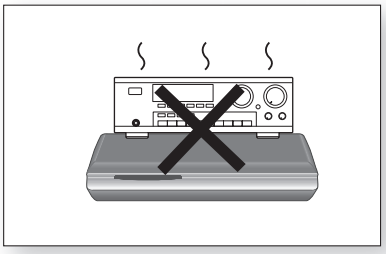
The wires in the main lead are coloured in accordance with the following code:– **BLUE = NEUTRAL BROWN = LIVE**
As these colours may not correspond to the coloured markings identifying the terminals in your plug, proceed as follows:–
The wire coloured BLUE must be connected to the terminal marked with the letter N or coloured BLUE or BLACK.
The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured BROWN or RED.

WARNING : DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E OR BY THE EARTH SYMBOL ⏚ , OR COLOURED GREEN OR GREEN AND YELLOW.

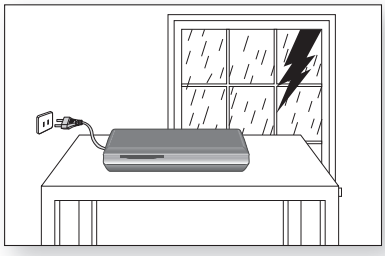
This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

PRECAUTIONS

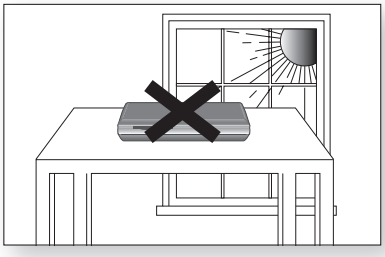




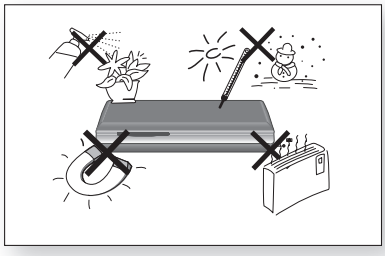
Ensure that the AC power supply in your house complies with the identification sticker located on the back of your player. Install your player horizontally, on a suitable base (furniture), with enough space around it for ventilation (7.5~10cm). Make sure the ventilation slots are not covered. Do not stack anything on top of the player. Do not place the player on amplifiers or other equipment which may become hot. Before moving the player, ensure the Disc Insert Hole is empty. This player is designed for continuous use. Switching off the Blu-ray Home Cinemar to the stand-by mode does not disconnect the electrical supply. In order to disconnect the player completely from the power supply, remove the main plug from the wall outlet, especially when left unused for a long period of time.



During thunderstorms, disconnect the AC main plug from the wall outlet. Voltage peaks due to lightning could damage the unit.

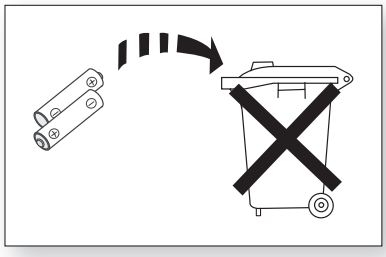


Do not expose the unit to direct sunlight or other heat sources. This could lead to overheating and malfunction of the unit.



Protect the player from moisture (i.e. vases) , and excess heat (e.g.fireplace) or equipment creating strong magnetic or electric fields (i.e.speakers...). Disconnect the power cable from the AC supply if the player malfunctions. Your player is not intended for industrial use. Use of this product is for personal use only.

Condensation may occur if your player or disc has been stored in cold temperatures. If transporting the player during the winter, wait approximately 2 hours until the unit has reached room temperature before using.



The batteries used with this product contain chemicals that are harmful to the environment.
Do not dispose of batteries in the general household trash.

contents

KEY FEATURES OF YOUR NEW BLU-RAY HOME CINEMA 2

2 Player Features
2 Blu-ray Disc Features
3 What's included

SAFETY INFORMATION 4

4 Safety Warnings
5 Precautions

GETTING STARTED 8

8 Before Reading the User's Manual
9 Disc Type and Characteristics

DESCRIPTION 12

12 Front Panel
13 Rear Panel

REMOTE CONTROL 14

14 Tour of the Remote Control
16 Setting the Remote Control

CONNECTIONS 18

18 Speaker Installation
20 Connecting the Speakers
22 Connecting the Video Out to your TV
24 Connecting Audio from External Components
26 Connecting to Samsung's FTP/Internet site for Software Upgrades
27 Connecting the FM Antenna

BASIC FUNCTIONS OF YOUR BLU-RAY HOME CINEMA 28

28 Before Playing
29 Using the remote control to operate the blu-ray home cinema or your samsung tv
30 Playing a Disc
31 Using the Search and Skip Functions
31 Slow Motion Play/Step Motion Play

SYSTEM SETUP 32

32 On-Screen Menu Navigation
33 Setting up the Language Options
34 Setting up the Ausdio Options
35 Setting up the Speaker Options
39 Setting up the Video display/output Options
42 Setting up the HDMI setup options
44 Setting up the Parental Lock

SYSTEM UPGRADE 46
46 Firmware Upgrade
48 System Information
48 Network Setup

WATCHING A MOVIE 50
50 Using the Display Function
51 Using the Disc Menu & Popup/Title Menu
52 Repeat Play
53 Selecting the Audio Language
53 Selecting the Subtitle Language
54 Changing the Camera Angle
54 Using the Bookmark Function

LISTENING TO MUSIC 56
56 Playing an Audio CD(CD-DA)
56 Playing an MP3
56 Audio CD(CD-DA)/MP3 Screen Elements
57 Buttons on the Remote Control used for Audio CD(CD-DA)/ MP3 disc playback
57 Repeat Audio CD(CD-DA) & MP3

VIEWING A PICTURE 59
59 Viewing a Picture
59 Slide Show
59 Rotate
60 Zoom
60 Go To Photo List

SOUND MODE 61
61 SFE(Sound Field Effect) Mode
61 NEO:6 mode
62 Dolby Pro Logic IIx Mode
62 Dolby Pro Logic IIx Effect

RADIO 63
63 Listening to Radio
63 Presetting Stations
64 About RDS broadcasting

CONVENIENT FUNCTION 66
66 Sleep Timer Function
66 Adjusting Display Brightness
66 Mute Function

TROUBLESHOOTING 67
67 troubleshooting

APPENDIX 69
69 Cautions on Handling and Storing Discs
70 Specifications

BEFORE READING THE USER'S MANUAL

Make sure to check the following terms before reading the user manual.

Icons that will be used in manual

Icon	Term	Definition
	BD-ROM	This involves a function available on a BD-ROM.
	DVD-VIDEO	This involves a function available on DVD-Video or DVD-R/DVD-RW discs that have been recorded and finalized in Video Mode.
	DVD-RW	This involves a function available on DVD-RW. (V mode and finalized only)
	DVD-R	This involves a function available on DVD-R. (V mode and finalized only)
	Audio CD	This involves a function available on a data CD (CD-R or CD-RW).
	JPEG	This involves a function available on CD-R/-RW, DVD-R/-RW discs.
	MP3	This involves a function available on CD-R/-RW, DVD-R/-RW discs.
	Caution	This involves a case where a function does not operate or settings may be cancelled.
	Note	This involves tips or instructions on the page that help each function operate.

About the use of this user's manual

1) Be sure to be familiar with Safety Instructions before using this product. (See pages 4~6)
2) If a problem occurs, check the Troubleshooting. (See pages 67~68)

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DISC TYPE AND CHARACTERISTICS

Disc types that can be played

Disc Types	Disc Logo	Recorded content	Disc Shape	Max. Playing minute
BD-ROM		AUDIO + VIDEO	Single sided (25GB/50GB)	Playing time depends on the Title
DVD-VIDEO		AUDIO + VIDEO	Single sided(12 cm)	240
			Double sided(12 cm)	480
			Single sided(8 cm)	80
			Double sided(8 cm)	160
AUDIO-CD		AUDIO	Single sided(12 cm)	74
			Single sided(8 cm)	20
DVD-RW (V mode and finalized only)		AUDIO + VIDEO	12 cm (4.7GB)	480 (EX : Extended Play)
DVD-R (V mode and finalized only)		AUDIO + VIDEO	12 cm (4.7GB)	480 (EX : Extended Play)
CD-R/-RW DVD-RW/-R		JPEG MP3	–	–

Logos of Discs that can be played

Blu-ray Disc	Dolby Digital Plus	DTS-HD High Resolution Audio
PAL broadcast system in U.K, France, Germany, etc.	Dolby TrueHD	DTS-HD Master Audio

Digital Audio	MP3	Stereo	Java

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- Manufactured under license under U.S. Patent #’s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,226,616; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS is a registered trademark and the DTS logos, Symbol, DTS-HD, DTS-HD High Resolution Audio and DTS-HD High Res Audio are trademarks of DTS, Inc. © 1996-2007 DTS, Inc. All Rights Reserved.
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Discs that cannot be played

- Blu-ray Discs with a region code other than "Region B".
- BD-R, BD-RE
- HD DVD Disc
- DVD-Video with a region number other than “2” or “ALL”
- DVD-RAM
- 3.9 GB DVD-R Disc for Authoring.
- DVD-RW(VR mode)
- DVD-ROM/PD/MV-Disc, etc
- CVD/CD-ROM/CDV/CD-G/CD-I/LD
- 8cm MD (mini disc)

- Some commercial discs and DVD discs purchased outside your region may not be playable with this product. When these discs are played, either “No disc.” or “Please check the regional code of the disc.” will be displayed.
- If a DVD-R/-RW disc has not been recorded properly in DVD video format, it will not be playable.
- The unit cannot play CD-R/-RW and DVD-RW/-R recorded content such as divx, avi, mpg, mov, wma.

Region code

Both the Blu-ray Home cinema and the discs are coded by region. These regional codes must match in order to play the disc. If the codes do not match, the disc will not play. The Region Number for this Blu-ray Home cinema is described on the rear panel of the Blu-ray Home cinema.

Disc Type	Blu-ray	DVD-Video
Region code		

BD Region Code	Area
A	North America, Central America, South America, Korea, Japan, Taiwan, Hong Kong and South East Asia.
B	Europe, Greenland, French territories, Middle East, Africa, Australia and New Zealand.
C	India, China, Russia, Central and South Asia.

DVD-Video Region Code	Area	DVD-Video Region Code	Area
1	USA, Canada	6	China
2	Japan, Europe, South Africa, Middle East, Greenland	7	Unspecified Special Use
3	Korea, Taiwan, Hong Kong, Parts of South East Asia	8	Airlines/Cruise Ships (including Mexico)
4	Australia, New Zealand, Latin America (including Mexico)	9	region free
5	Eastern Europe, Russia, India, Africa		

Blu-ray Disc Compatibility

Blu-ray Disc is a new and evolving format. Accordingly, disc compatibility issues are possible. Not all discs are compatible and not every disc will play back. For additional information, refer to the Compliance and Compatibility Notice section of this Manual. If you encounter compatibility problems, please contact the SAMSUNG customer care center. This Samsung Blu-ray Home cinema (HT-BD2) supports only the BD-ROM Profile 1 version 1.0 specification. If you want to play later version discs, you may need to update player's firmware. www.samsung.com/global/register

- Playback may not work for some types of discs, or when specific operations, such as angle change and aspect ratio adjustment, are being performed. Information about the discs is written in detail on the box. Please refer to this if necessary.
- Do not allow the disc to become dirty or scratched. Fingerprints, dirt, dust, scratches or deposits of cigarette smoke on the recording surface may make it impossible to use the disc for playback.
- When a BD-Java title is played, loading may take longer than a normal title, or some functions may perform slowly.

Disc Types

❖ BD-ROM

Blu-ray Disc Read Only Memory. A BD-ROM disc contains pre-recorded data. Although a BD-ROM may contain any form of data, most BD-ROM discs will contain movies in High Definition format, for playback on Blu-ray Home Cinemas. This unit can play back pre-recorded commercial BD-ROM discs.

❖ DVD-Video

- A digital versatile disc (DVD) can contain up to 135-minutes of images, 8 audio languages and 32 subtitle languages. It is equipped with MPEG-2 picture compression and Dolby Digital surround, allowing you to enjoy vivid and clear theatre quality images.
- When switching from the first layer to the second layer of a dual-layered DVD Video disc, there may be momentary distortion in the image and sound. This is not a malfunction of the unit.
- Once a DVD-RW/-R recorded in Video Mode is finalized, it becomes DVD-Video. Pre-recorded (pre-stamped) commercial DVDs with movies are also referred to as DVD-Videos. This unit can play back pre-recorded commercial DVD discs (DVD-Video discs) with movies.

❖ Audio CD

- An audio disc on which 44.1kHz PCM Audio is recorded.
- This unit can play back CD-DA format audio CD-R and CD-RW discs.
- The unit may not be able to play some CD-R or CD-RW discs due to the condition of the recording.

❖ CD-R/-RW

- Use a 700MB(80 minutes) CD-R/-RW disc. If possible, do not use a 800MB(90 minutes) or above disc, as the disc may not play back.
- If the CD-R/-RW disc was not recorded as a closed session, you may experience delays when playing back the beginning of the disc or all recorded files may not play.
- Some CD-R/-RW discs may not be playable with this unit, depending on the device which was used to burn them. For contents recorded on CD-R/-RW media from CDs for your personal use, playability may vary depending on contents and discs.

❖ DVD-R Disc Playback

- Once a DVD-R recorded in Video Mode is finalized, it becomes DVD-Video.
- This unit can play back DVD-R discs recorded and finalized with a Samsung DVD video recorder. It may not be able to play some DVD-R discs depending on the disc and the condition of the recording.

❖ DVD-RW Disc Playback

- Playback can be performed with DVD-RW discs in the Video Mode and finalized only.
- Once a DVD-RW recorded in Video Mode is finalized, it becomes DVD-Video. Ability to play back may depend on recording conditions.

Disc Format

❖ Using MP3 disc

- CD-R/-RW, DVD-RW/-R recorded with UDF, ISO9660 or JOLIET format can be played back.
- Only MP3 files with the “.mp3” or “.MP3” extension can be played.
- Playable bit-rate range is from 56 Kbps to 320 Kbps.
- Playable sample-rate is 32KHz to 48KHz.
- The unit can handle a maximum of 1500 files and folders under a parent folder. For MP3 files recorded with a VBR(Variable Bit Rates), the sound may cut in and out.

❖ Using JPEG disc

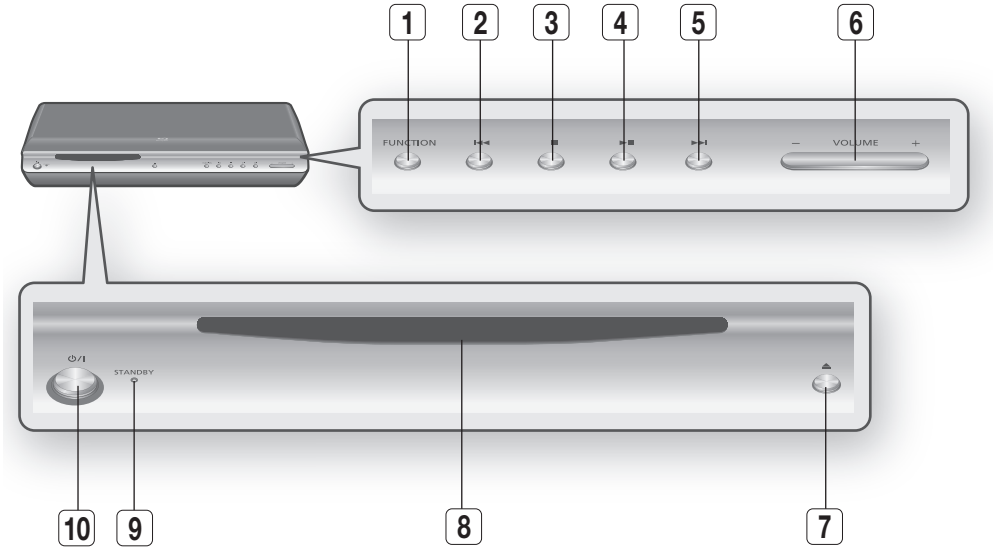
- CD-R/-RW, DVD-RW/-R recorded with UDF, ISO9660 or JOLIET format can be played back.
- Only JPEG files with the ".jpg", ".JPG", ".jpeg" or "JPEG" extension can be displayed.
- Progressive JPEG is supported.

❖ DVD-RW/-R (V)

- This is a format that is used for recording data on a DVD-RW or DVD-R disc. The disc can be played by this Blu-ray Home Cinema once it has been finalized.
- If a disc that has been recorded in Video Mode by a different maker’s recorder but has not been finalized, it cannot be played by this Blu-ray Home Cinema.

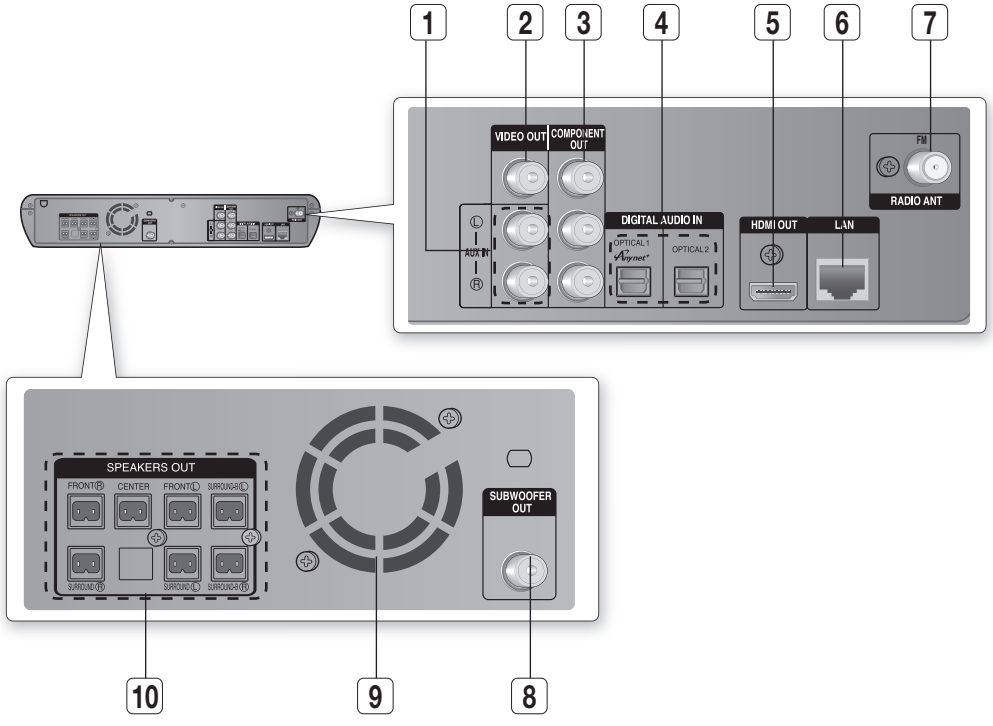
description

FRONT PANEL



1	FUNCTION BUTTON	The mode switches as follows : BD/DVD ➞ D.IN 1 ➞ D.IN 2 ➞ AUX ➞ FM.
2	TUNING DOWN & SKIP (⏮) BUTTON	Goes back to the previous title/chapter/track. Tunes down the FM frequency band.
3	STOP BUTTON	Stops disc playback.
4	PLAY/PAUSE BUTTON	Plays a disc or pauses playback.
5	TUNING UP & SKIP(⏭) BUTTON	Goes to the next title/chapter/track. Tunes up the FM frequency band.
6	Volume Control BUTTONS	Volume adjustment.
7	EJECT BUTTON	Eject the disc.
8	DISC INSERT HOLE	Insert a disc.
9	STANDBY INDICATOR	When the unit is first plugged in, this indicator lights.
10	POWER BUTTON	Turns the Blu-ray Home Cinema on and off.

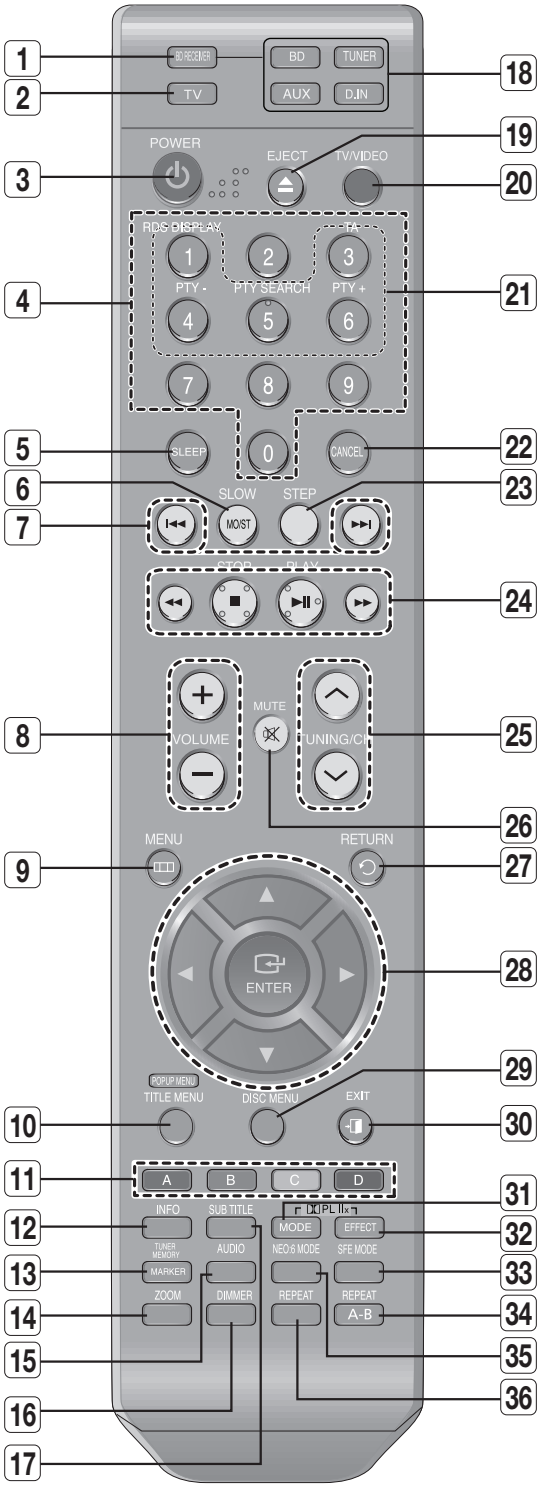
REAR PANEL



1	AUX IN JACKS	Connect to the 2CH analog output of an external device (such as a VCR)
2	VIDEO OUTPUT JACK	Connect your TV's Video Input jack (VIDEO IN) to the VIDEO OUT Jack on this unit.
3	COMPONENT VIDEO OUTPUT JACKS	Connect a TV with Component video inputs to these jacks.
4	EXTERNAL DIGITAL OPTICAL INPUT JACKS(OPTICAL1, OPTICAL2)	Use this to connect external equipment capable of digital output.
5	HDMI OUT JACK	Use the HDMI cable, connect this HDMI output terminal to the HDMI input terminal on your TV for the best quality picture.
6	LAN TERMINAL	Connect this LAN terminal to the LAN terminal on your modem for software upgrades.
7	FM 75Ω COAXIAL JACK	Connect the FM antenna.
8	SUBWOOFER OUT JACK	Connect the subwoofer speaker.
9	COOLING FAN	The fan always revolves when the power is on. Ensure a minimum of 10cm of clear space on all sides of the fan when installing the product.
10	7 CHANNEL SPEAKER OUTPUT CONNECTORS	Connect the front, center, surround, surround back speakers.

remote control

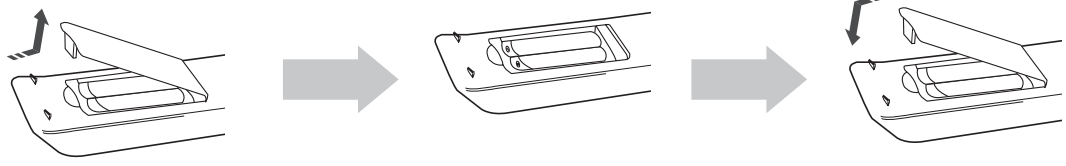
TOUR OF THE REMOTE CONTROL



1	BD RECEIVER button
2	TV button
3	POWER button
4	Number (0~9) buttons
5	SLEEP button
6	SLOW, MO/ST button
7	Tuning Preset/CD Skip buttons
8	VOLUME button
9	MENU button
10	POPUP MENU, TITLE MENU button
11	Color buttons
12	INFO button
13	TUNER MEMORY, MARKER button
14	ZOOM button
15	AUDIO button
16	DIMMER button
17	SUB TITLE button
18	BD button TUNER button AUX button D.IN button

19	EJECT button
20	TV/VIDEO button
21	RDS Selection buttons
22	CANCEL button
23	STEP button
24	PLAY/PAUSE button STOP button SEARCH buttons
25	TUNING/CH button
26	MUTE button
27	RETURN button
28	Cursor/ENTER button
29	DISC MENU button
30	EXIT button
31	PL IIx MODE button
32	PL IIx EFFECT button
33	SFE MODE button
34	REPEAT A-B button
35	NEO:6 MODE button
36	REPEAT button

Insert Remote Batteries



1. **Remove the battery cover in the direction of the arrow.**
2. **Insert two 1.5V AAA batteries, paying attention to the correct polarities (+ and –).**
3. **Replace the battery cover.**

Follow these precautions to avoid leaking or cracking cells:

- Place batteries in the remote control so they match the polarity : (+) to (+) and (–) to (–).
- Use the correct type of batteries. Batteries that look similar may differ in voltage.
- Always replace both batteries at the same time.
- Do not expose the batteries to heat or a flame.

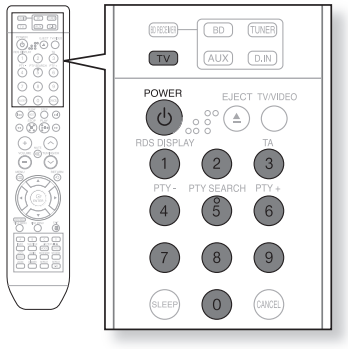
SETTING THE REMOTE CONTROL

You can control certain functions of your TV with this remote control.

When operating a TV with the remote control

1. Press the **TV** button to set the remote to TV mode.
2. Press the **POWER** button to turn on the TV.
3. While holding down the **POWER** button, enter the code corresponding to your brand of TV.
   - If there is more than one code listed for your TV in the able, enter one at a time to determine which code works.

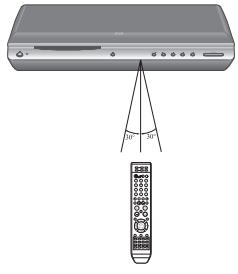
   Example : For a Samsung TV
   While holding down the **POWER** button, use the **number** buttons to enter 00, 15, 16, 17 and 40.
4. If the TV turns off, the setting is complete.
   - You can use the TV POWER, VOLUME, CHANNEL, and Numeric buttons (0~9).



- The remote control may not work on some brands of TVs. Also, some operations may not be possible depending on your brand of TV.
- If you do not set the remote control with the code for your brand of TV, the remote control will work on a Samsung TV by default.

Operation Range of the Remote Control

The remote control can be used up to approximately 23 feet (7 meters) in a straight line. It can also be operated at a horizontal angle of up to 30° from the remote control sensor.



TV Brand Code List

No.	Brand	Code	No.	Brand	Code
1	Admiral (M.Wards)	56, 57, 58	44	MTC	18
2	A Mark	01, 15	45	NEC	18, 19, 20, 40, 59, 60
3	Anam	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14	46	Nikei	03
			47	Onking	03
4	AOC	01, 18, 40, 48	48	Onwa	03
5	Bell & Howell (M.Wards)	57, 58, 81	49	Panasonic	06, 07, 08, 09, 54, 66, 67, 73, 74
6	Brocsonic	59, 60	50	Penney	18
7	Candle	18	51	Philco	03, 15, 17, 18, 48, 54, 59, 62, 69, 90
8	Cetronic	03	52	Philips	15, 17, 18, 40, 48, 54, 62, 72
9	Citizen	03, 18, 25	53	Pioneer	63, 66, 80, 91
10	Cinema	97	54	Portland	15, 18, 59
11	Classic	03	55	Proton	40
12	Concerto	18	56	Quasar	06, 66, 67
13	Contec	46	57	Radio Shack	17, 48, 56, 60, 61, 75
14	Coronado	15	58	RCA/Proscan	18, 59, 67, 76, 77, 78, 92, 93, 94
15	Craig	03, 05, 61, 82, 83, 84	59	Realistic	03, 19
16	Croslex	62	60	Sampo	40
17	Crown	03	61	Samsung	00, 15, 16, 17, 40, 43, 46, 47, 48, 49, 59, 60, 98
18	Curtis Mates	59, 61, 63			
19	CXC	03	62	Sanyo	19, 61, 65
20	Daewoo	02, 03, 04, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 34, 35, 36, 48, 59, 90	63	Scott	03, 40, 60, 61
			64	Sears	15, 18, 19
21	Daytron	40	65	Sharp	15, 57, 64
22	Dynasty	03	66	Signature 2000 (M.Wards)	57, 58
23	Emerson	03, 15, 40, 46, 59, 61, 64, 82, 83, 84, 85	67	Sony	50, 51, 52, 53, 55
24	Fisher	19, 65	68	Soundesign	03, 40
25	Funai	03	69	Spectricon	01
26	Futuretech	03	70	SSS	18
27	General Electric (GE)	06, 40, 56, 59, 66, 67, 68	71	Sylvania	18, 40, 48, 54, 59, 60, 62
28	Hall Mark	40	72	Symphonic	61, 95, 96
29	Hitachi	15, 18, 50, 59, 69	73	Tatung	06
30	Inkel	45	74	Techwood	18
31	JC Penny	56, 59, 67, 86	75	Teknika	03, 15, 18, 25
32	JVC	70	76	TMK	18, 40
33	KTV	59, 61, 87, 88	77	Toshiba	19, 57, 63, 71
34	KEC	03, 15, 40	78	Vidtech	18
35	KMC	15	79	Videch	59, 60, 69
36	LG (Goldstar)	01, 15, 16, 17, 37, 38, 39, 40, 41, 42, 43, 44	80	Wards	15, 17, 18, 40, 48, 54, 60, 64
37	Luxman	18	81	Yamaha	18
38	LXI (Sears)	19, 54, 56, 59, 60, 62, 63, 65, 71	82	York	40
39	Magnavox	15, 17, 18, 48, 54, 59, 60, 62, 72, 89	83	Yupiteru	03
40	Marantz	40, 54	84	Zenith	58, 79
41	Matsui	54	85	Zonda	01
42	MGA	18, 40	86	Dongyang	03, 54
43	Mitsubishi/MGA	18, 40, 59, 60, 75			

connection

This section involves various methods of connecting the Blu-ray Home Cinema to other external components.

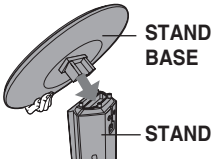
Before moving or installing the product, be sure to turn off the power and disconnect the power cord.

SPEAKER INSTALLATION

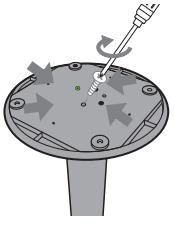
Please follow the steps below to install the speakers on the stands.

How to Install the Speaker and the Stand

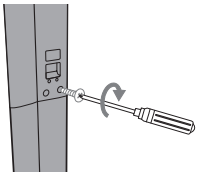
1. Turn the stand upside down and mount it on the stand base.



2. Insert and tighten (Black) screws on the bottom side of the stand base.

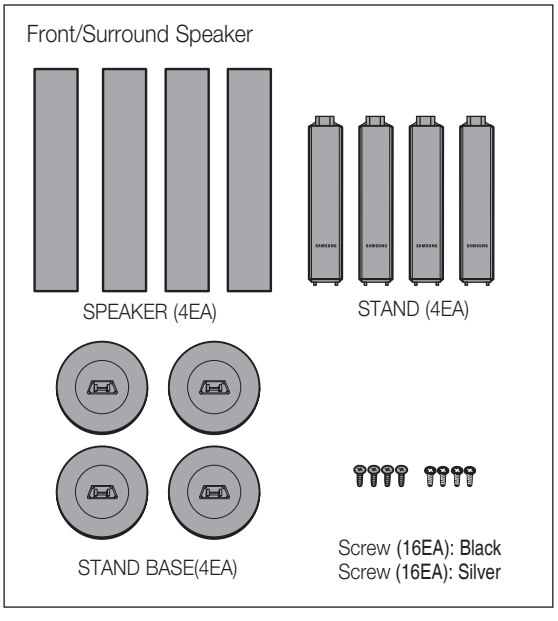


3. Place the stand on thefl oor. Insert and tighten 2 (Silver) screws on the back of the stand.



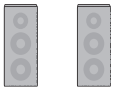
Speaker Packages

Please confirm that all the following contents are included in the package.



Center Speaker

Subwoofer Speaker

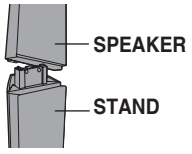

Surround Back Speaker (2EA)

Speaker Wire (7EA)

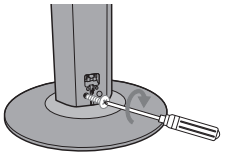
Audio Cable for Subwoofer connection (1EA)

Front speakers and Surround speakers are packaged separately as shown in the diagram.

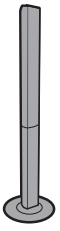
4. Mount the speaker on the stand.



5. Tighten 2 (Silver) screws on the back of the speaker.



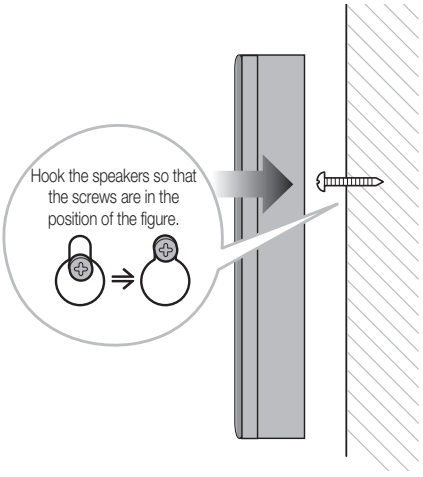
6. This is the successfully assembled speaker.



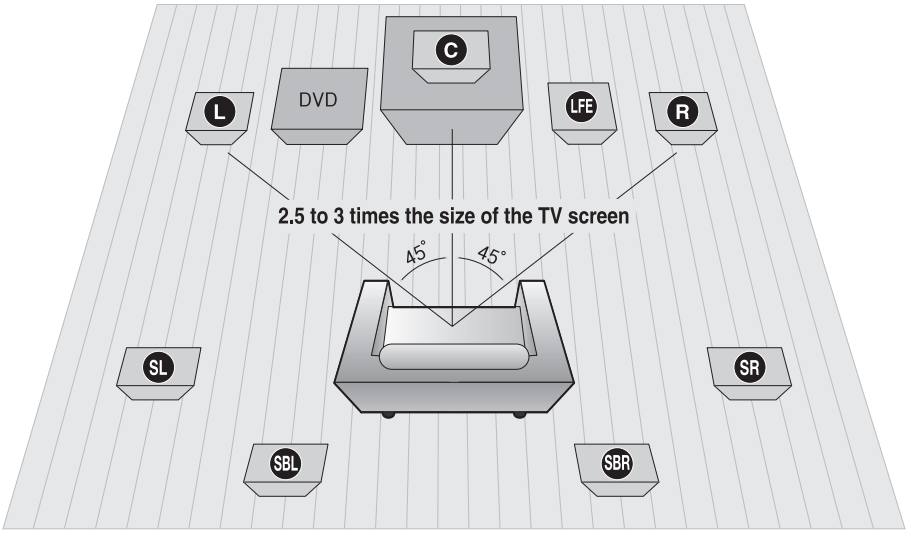
- Make sure that the speaker is installed on a flat and stable area. Otherwise it may easily be knocked over.

To mount the speakers on the wall

Drive a screw into the wall for each speaker and then hook the front speaker over them.



CONNECTING THE SPEAKERS



Position of the Blu-ray Home Cinema

Place it on a stand or cabinet shelf, or under the TV stand.

Selecting the Listening Position

The listening position should be located about 2.5 to 3 times the distance of the TV's screen size away from the TV.
Example : For 32" TVs 2~2.4m (6~8feet)
For 55" TVs 3.5~4m (11~13feet)

Front Speakers L R

Place these speakers in front of your listening position, facing inwards (about 45°) toward you.
Place the speakers so that their tweeters will be at the same height as your ear.
Align the front face of the front speakers with the front face of the center speaker or place them slightly in front of the center speakers.

Center Speaker C

It is best to install it at the same height as the front speakers. You can also install it directly over or under the TV.

Surround Speakers SL SR

Place these speakers to the side of your listening position. If there isn't enough room, place these speakers so they face each other. Place them about 60 to 90cm (2 to 3feet) above your ear, facing slightly downward.

* Unlike the front and center speakers, the rear speakers are used to handle mainly sound effects and sound will not come from them all the time.

Surround Back Speakers SBL SBR

- Place them so they face forward towards the back of the listener.
- Place the surround back speakers about 70 cm to 1 m (2.3~3.3feet) above surround speakers, facing slightly downwards.

Subwoofer LFE

The position of the subwoofer is not so critical. Place it anywhere you like.

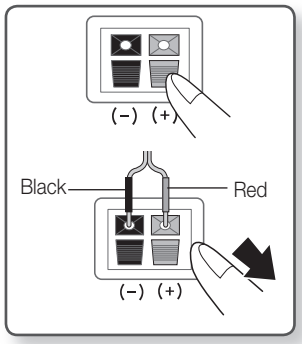
Connecting The Speakers

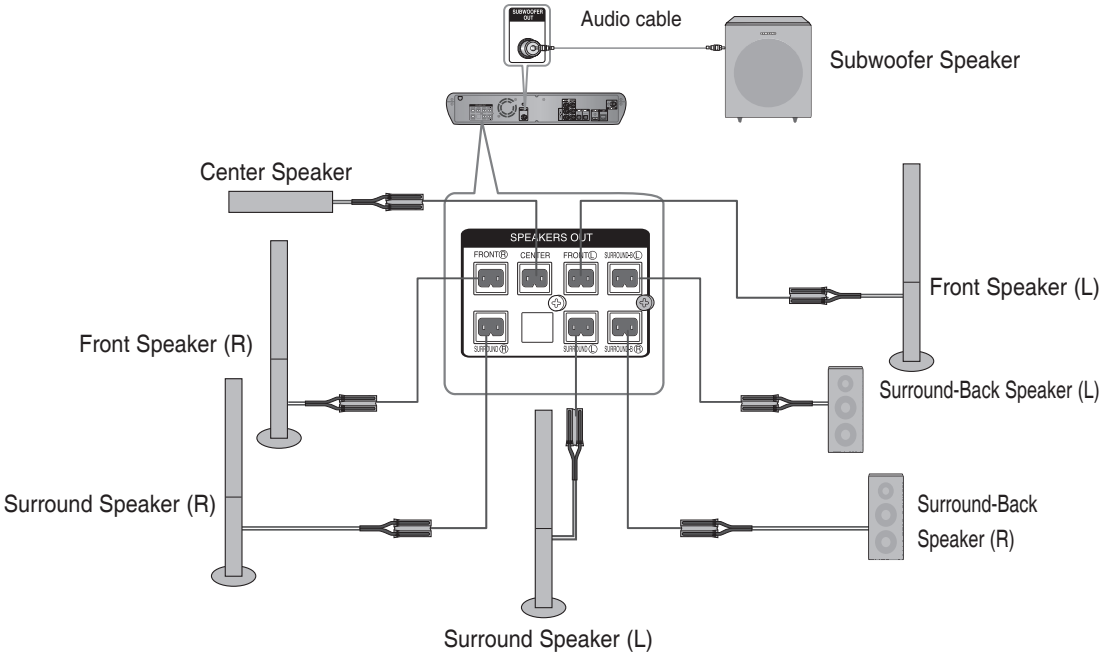
1. Press down the terminal tab on the back of the speaker.

2. Insert the black wire into the black terminal (–) and the red wire into the red (+) terminal, and then release the tab.

3. Connect the connecting plugs to the back of the Blu-ray Home Cinema by matching the colors of the speaker plugs to the speaker jacks.

4. Use the Audio cable to connect the SUBWOOFER OUT jack of the main unit to the AUDIO IN jack of the subwoofer.



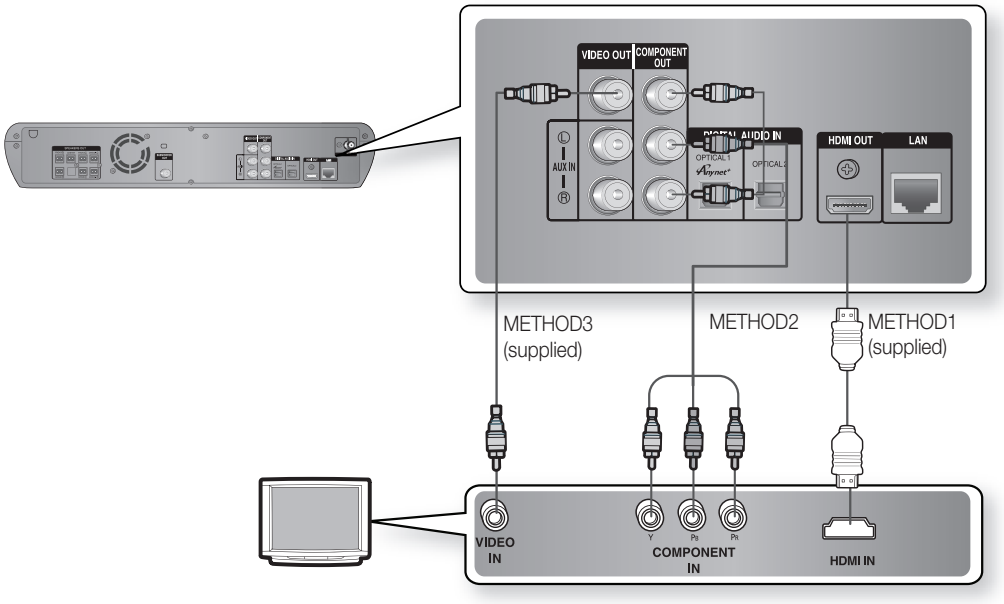


- Do not let children play with or near the speakers. They could get hurt if a speaker falls.
- When connecting the speaker wires to the speakers, make sure that the polarity (+/–) is correct.
- Keep the subwoofer speaker out of reach of children so as to prevent children from inserting their hands or alien substances into the duct (hole) of the subwoofer speaker.
- Do not hang the subwoofer on the wall through the duct (hole).

- If you place a speaker near your TV set, screen color may be distorted because of the magnetic field generated by the speaker. If this occurs, place the speaker away from your TV set.

CONNECTING THE VIDEO OUT TO YOUR TV

Choose one of the three methods for connecting to a TV.



METHOD 1 : HDMI ..... (Best Quality)

Connect the HDMI cable from the HDMI OUT jack on the back of the Blu-ray Home Cinema to the HDMI IN jack on your TV.

- Depending on your TV, certain HDMI output resolutions may not work.
- If an HDMI cable is connected from the player to a TV, the Blu-ray Home Cinema's output is set to HDMI automatically within 10 seconds.
- If you are using the Anynet + feature (see page 42) and Component and HDMI are both connected, HDMI mode is automatically selected.
- When you connect the player to the TV using the HDMI cable for the first time or to a new TV, the HDMI output resolution will be automatically set to the highest provided by the TV.
- If you connect a Samsung TV to the Blu-ray Home Cinema using an HDMI cable, the player can be easily operated using the TV remote control. (This is only available with Samsung TVs that support the Anynet+ feature.)
  (See page 42)
- If the HDMI cable is connected or removed during playback of a CDDA, MP3 or JPEG file, the player will stop playing.
- After making the video connection, set the Video input source on your TV to match the corresponding
  Video output (HDMI, Component or Composite) on your Home Cinema.
  See your TV owner's manual for more information on how to select the TV's Video Input source.

HDMI Auto Detection Function

The player's video output will automatically change to HDMI mode when connecting an HDMI cable while power is on. For possible HDMI resolutions, see page 41.

- **HDMI (High Definition Multimedia Interface)**
  HDMI is an interface that enables the digital transmission of video and audio data with just a single connector.
  Using HDMI, the Blu-ray Home Cinema transmits a digital video and audio signal and displays a vivid picture on a TV having an HDMI input jack.
- **HDMI connection description**
  HDMI connector - Supports video and digital audio data.
  - HDMI outputs only a pure digital signal to the TV.
  - If your TV does not support HDCP (High-bandwidth Digital Content Protection), random noise appears on the screen.
- **Why does Samsung use HDMI?**
  Analog TVs require an analog video/audio signal. However, when playing a BD/DVD, the data transmitted to a TV is digital. Therefore either a digital-to-analog converter (in the Blu-ray Home Cinema) or an analog-to-digital converter (in the TV) is required. During this conversion, the picture quality is degraded due to noise and signal loss. HDMI technology is superior because it requires no D/A conversion and is a pure digital signal from the player to your TV.
- **What is the HDCP?**
  HDCP (High-band width Digital Content Protection) is a system for protecting BD/DVD content outputted via HDMI from being copied. It provides a secure digital link between a video source (PC, DVD. etc) and a display device (TV, projector. etc). Content is encrypted at the source device to prevent unauthorized copies from being made.
- **What is Anynet+?**
  Anynet+ is a convenient function that offers linked operation of this unit through Samsung TVs with the Anynet+ feature.
  - If your Samsung TV has an Anynet+ logo, then it supports the Anynet+ function.
  - If you turn on the player and insert a disc, the player will start playing the disc, and the TV will turn on automatically and switch to HDMI mode.
  - If you turn on the player and press the Play button with a disc already inserted, the TV will immediately turn on and switch to HDMI mode.

METHOD 2 : Component Video .... (Better Quality)

If your television is equipped with Component Video inputs, connect a Component video cable(not supplied) from the Component Video Output (Pr, Pb and Y) Jacks on the back of the Blu-ray Home Cinema to the Component Video Input Jacks on your TV.

- You can select from a variety of resolution settings such as 1080i, 720p, 576p/480p and 576i/480i, depending on the disc type. (See page 41)
- The actual resolution may differ from the setting in the SETUP menu if both Component and HDMI cables are connected. The resolution may also be different depending on the disc. (See page 41)
- After making the video connection, set the Video input source on your TV to match the corresponding Video output (HDMI, Component or Composite) on your Home Cinema.
  See your TV owner's manual for more information on how to select the TV's Video Input source.

METHOD 3 : Composite Video ..... (Good Quality)

Connect the supplied Video cable from the VIDEO OUT jack on the back of the Blu-ray Home Cinema to the VIDEO IN jack on your TV.

- The VIDEO source is always output in 576i/480i resolution regardless of the resolution set in the SETUP menu. (See page 41)
- After making the video connection, set the Video input source on your TV to match the corresponding Video output (HDMI, Component or Composite) on your Home Cinema.
  See your TV owner's manual for more information on how to select the TV's Video Input source.

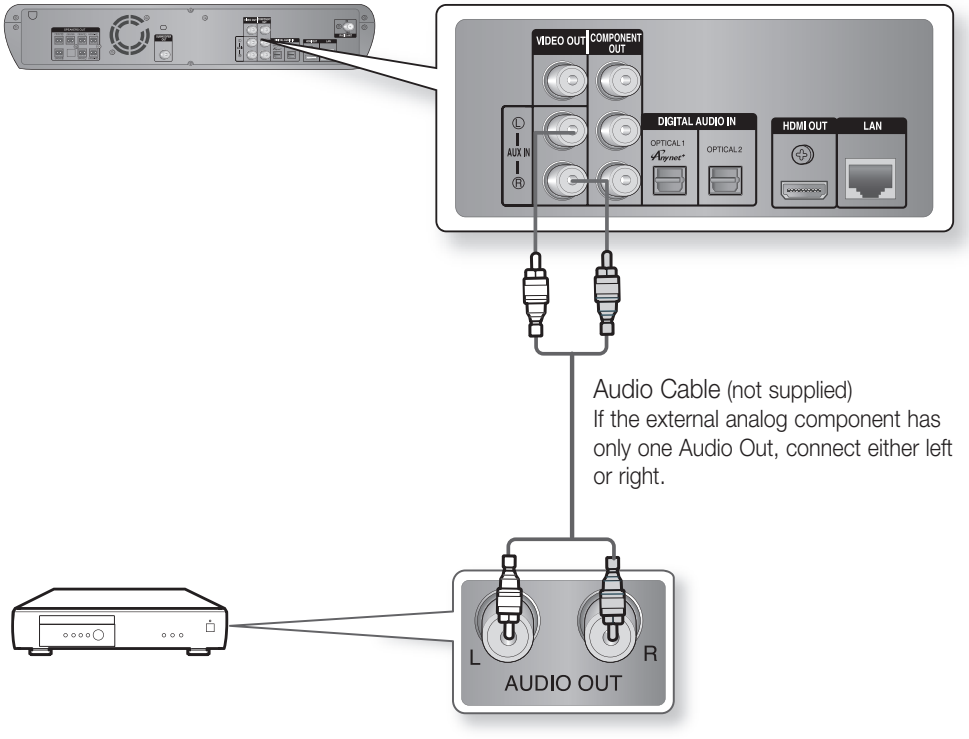
CONNECTING AUDIO FROM EXTERNAL COMPONENTS

AUX : Connecting an External Analog Component

Analog signal components such as a VCR.

1. Connect AUX IN (Audio) on the main unit to the Audio Out of the external analog component.
- Be sure to match connector colors.

2. Press the **AUX** button on the remote control to select **AUX** input.
- You can also use the **FUNCTION** button on the main unit.
  The mode switches as follows : **BD/DVD → D.IN 1 → D.IN 2 → AUX → FM**.

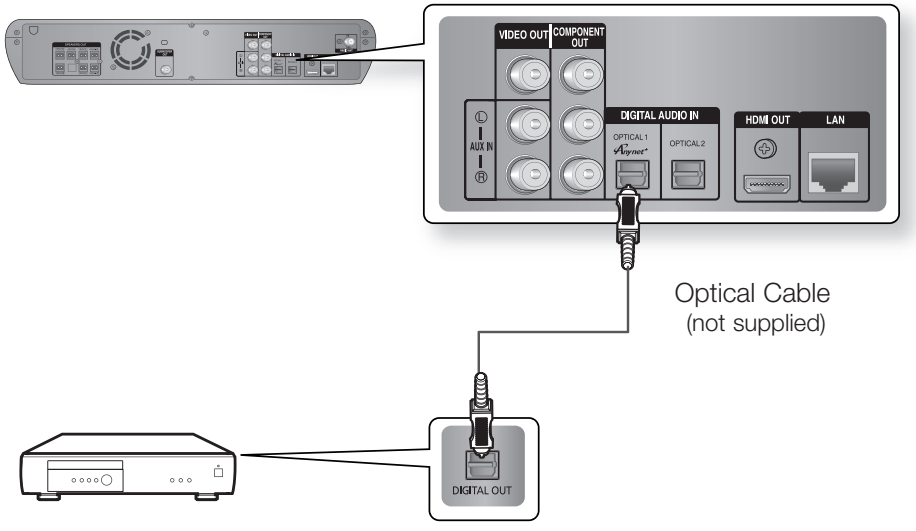


▪ You can connect the Video Output jack of your VCR to the TV, and connect the Audio Output jacks of the VCR to this product.

OPTICAL : Connecting an External Digital Component

Digital signal components such as a Cable Box/Satellite receiver (Set-Top Box).

1. Connect the Digital Input (OPTICAL 1 or OPTICAL 2) on the main unit to the Digital Output of the external digital component.
2. Press the **D.IN** button on the remote control to select **D.IN 1** or **D.IN 2** input.
   - You can also use the **FUNCTION** button on the main unit.
     The mode switches as follows : **BD/DVD → D.IN 1 → D.IN 2 → AUX → FM**.

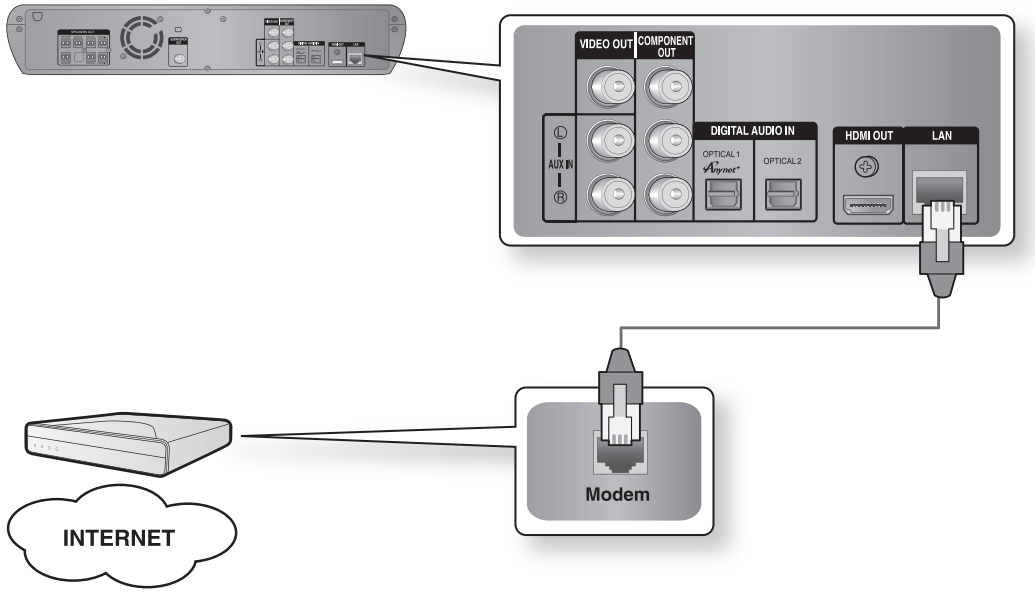


- To see video from your Cable Box/Satellite receiver, you must connect it's video output to a TV.
- This system supports Digital sampling frequencies of 32 kHz of higher from external digital components.

CONNECTING TO SAMSUNG'S FTP/INTERNET SITE FOR SOFTWARE UPGRADES

Using the Direct LAN Cable (UTP cable), connect the LAN terminal on the rear of the Blu-ray Home Cinema to the LAN terminal of your modem.

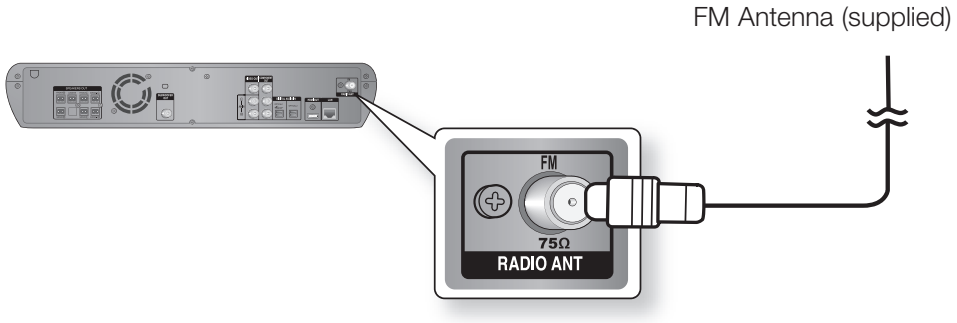
• Connect to the Internet for future software upgrades.



▪ See pages 46~49 for the Software Upgrade procedure.

CONNECTING THE FM ANTENNA

1. Connect the FM antenna supplied to the FM 75Ω COAXIAL Jack.
2. Slowly move the antenna wire around until you find a location where reception is good, then fasten it to a wall or other rigid surface.

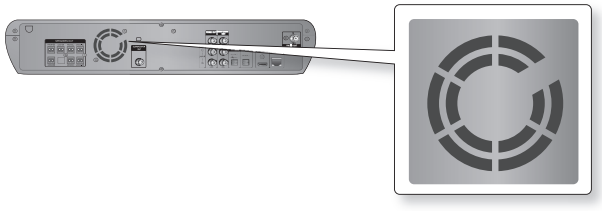


▪ This unit does not receive AM broadcasts.

Cooling Fan

The cooling fan supplies cool air to the unit to prevent overheating.
Please observe the following cautions for your safety.

- Make sure the unit is well-ventilated. If the unit has poor ventilation, the temperature inside the unit may rise and may damage it.
- Do not obstruct the cooling fan or ventilation holes. (If the cooling fan or ventilation holes are covered with a newspaper or cloth, heat may build up inside the unit and fire may result.)



basic functions of your Blu-ray Home Cinema

This section introduces basic playback functions and playback by disc type.

BEFORE PLAYING

- Turn on your TV and set it to the correct Video Input (the input the Blu-ray Home Cinema is connected to: HDMI, Component or Video).

MENU LANGUAGE SELECTION
Press 1 for English
Pulsar 2 para Español
Touche 3 pour Français
Drücken Sie 4 für Deutsch
Premere 5 per Italiano
Druk op 6 voor Nederlands

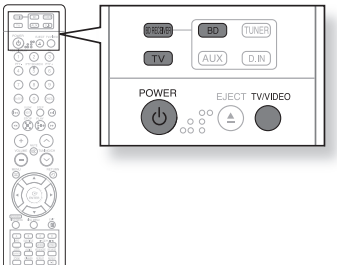
After plugging in the player, the first time you press the **POWER** button, this screen comes up:

If you want to select a language, press a **NUMBER** button. (This screen will only appear when you plug in the player for the first time.) If the language for the startup screen is not set, the settings may change whenever you turn the power on or off. Therefore, make sure that you select the language you want to use. Once you select a menu language, you can change it by pressing the **STOP** (⦿) button on the front panel of the unit for more than 5 seconds with no disc in the unit. Then the **MENU LANGUAGE SELECTION** window appears again where you can reset your preferred language.

- Discs which cannot be played on this player.
  - BD-R
  - BD-RE
  - HD DVD
  - DVD+RW
  - DVD+R
  - DVD-ROM
  - DVD-RAM
  - CDV
  - CD-ROM
  - CVD
  - CD-I
  - 8 cm MD (mini disc)
  - Super Audio CD(except CD layer)
  - CDGs play audio only, not graphics.
- Ability to play back may depend on recording conditions.
  - DVD-R
  - CD-RW/R
  - DVD-RW (V mode)
  - The unit may not play certain CD-R, CD-RW and DVD-R due to the disc type or recording conditions.
- Blu-ray Disc is a new and evolving format. Accordingly, disc compatibility issues with new and existing format discs are possible. Not all discs are compatible and not every disc will playback.
  For additional information, refer to the Disc Type and Characteristics and Compliance and Compatibility Notice sections of this Manual. If you encounter compatibility problems, please contact the SAMSUNG customer care center.
- The unit cannot play CD-R/-RW and DVD-RW/-R recorded content such as divx, avi, mpg, mov, wma.

USING THE REMOTE CONTROL TO OPERATE THE BLU-RAY HOME CINEMA OR YOUR SAMSUNG TV

The Blu-ray Home Cinema's remote can be used to control Samsung TVs.



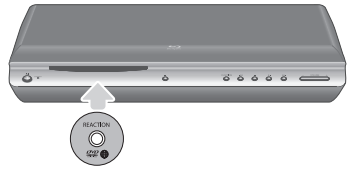
1. Plug the main unit's power cord into the AC power supply.
2. Press the **BD RECEIVER** button to switch to BD RECEIVER mode to operate the Blu-ray Home cinema.
3. Press the **FUNCTION** button on the main unit or **BD** button on the remote to enable BD/DVD playback.
4. Press the **TV** button to set the remote to TV mode.
5. Press the **POWER** button to turn on your Samsung TV with this remote.
6. Press the **TV/VIDEO** button to select VIDEO mode on your TV.

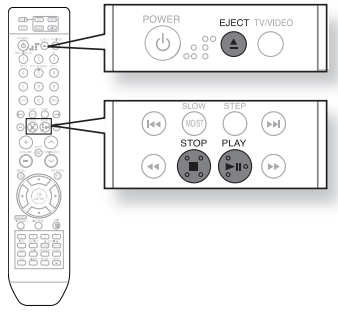
basic functions of your Blu-ray Home Cinema

PLAYING A DISC

1. Insert a disc into the disc insert hole.
- Insert a disc so that the label side faces upward.
- Playback starts automatically.

2. To eject the disc, press the **EJECT** button.
- When you stop disc play, the player remembers where you stopped, so when you press **PLAY/PAUSE** (⏯) button again, it will pick up where you left off.
- Press the **STOP** (■) button twice during playback to disable the Resume function.
- To pause playback, press the **PLAY/PAUSE** (⏯) button during playback. To resume, press the **PLAY/PAUSE**(⏯) button once again.





- If the player is left in the stop mode for more than 10 minutes without any pressing any buttons, a screen saver will appear on your TV. If the player is left in the screen saver mode for more than 30 minutes, the power will automatically turn off except during playback of an MP3/CDDA and/or JPEG. (Automatic Power-Off Function)
- MP3/CDDA : if no button is pressed for more than 10 minutes, the screen saver appears.
- JPEG : the screen saver program or the auto power off function will be deactivated when playing a photo file.

USING THE SEARCH AND SKIP FUNCTIONS

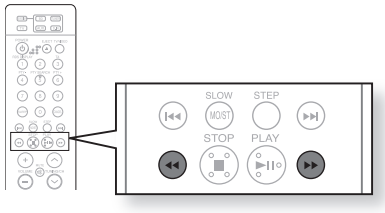
During play, you can search quickly through a chapter or track, and use the skip function to jump to the next selection.

Searching through a Chapter or Track

BD-ROM DVD-VIDEO DVD-RW DVD-R

During playback, press the **SEARCH** (◀◀ ▶▶) button.

- If you want to search at a faster speed on the BD/DVD, press this button.
- If you press the **SEARCH** (▶▶) button,
  ▶▶ X2 ▶▶ X4 ▶▶ X8 ▶▶ X16 ▶▶ X32 ▶▶ X128
- If you press the **SEARCH** (◀◀) button,
  ◀◀ X2 ◀◀ X4 ◀◀ X8 ◀◀ X16 ◀◀ X32 ◀◀ X128



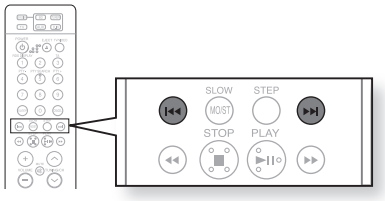
- No sound is heard during search mode.
- MP3 discs cannot be searched.

Skipping Tracks

BD-ROM DVD-VIDEO DVD-RW DVD-R

During playback, press the **SKIP** (⏮ ⏭) button.

When playing a BD/DVD, if you press the **SKIP** (⏭) button, it moves to the next chapter. If you press the **SKIP** (⏮) button, it moves to the beginning of the chapter. One more press makes it move to the beginning of the previous chapter.



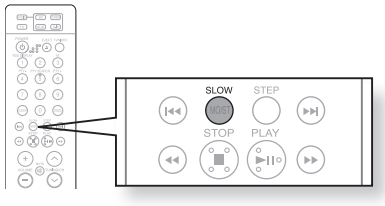
SLOW MOTION PLAY/STEP MOTION PLAY

Slow Motion Play

BD-ROM DVD-VIDEO DVD-RW DVD-R

In pause or step mode, press the **SLOW** button on the remote control for Slow Motion play.

- If you press the **SLOW** button, ▮▶ 1/8 ▮▶ 1/4 ▮▶ 1/2
- To return to normal speed playback, press the **PLAY/PAUSE** (⏯) button.



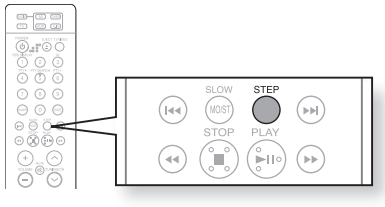
- This (⊘) icon indicates an invalid button press.
- No sound is heard during slow mode.
- Slow motion operates only in the forward direction.

Step Motion Play

BD-ROM DVD-VIDEO DVD-RW DVD-R

Press the **STEP** button on the remote control during play for Step Motion play.

- Each time the button is pressed a new frame will appear.
- When the **STEP** button is pressed, the next frame will be activated.
- Press the **PLAY/PAUSE** (⏯) button to resume normal play.

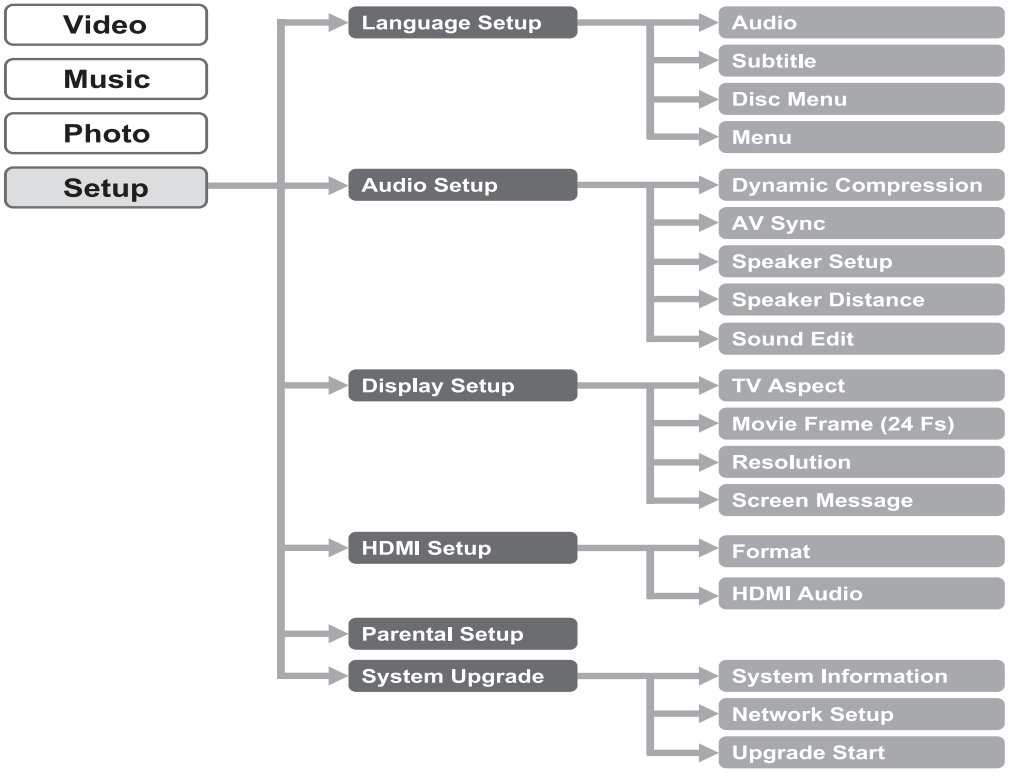


- No sound is heard during step mode.
- Step motion operates only in the forward direction.

system setup

For your convenience, you can set this Blu-ray Home Cinema's features for the best use in your home environment.

ON-SCREEN MENU NAVIGATION



SETTING UP THE LANGUAGE OPTIONS

If you set the audio, subtitle, disc menu and player menu, in advance, they will come up automatically every time you watch a movie.

1. With the unit in Stop mode, press the **MENU** button.
2. Press the ▲▼ buttons to select **Setup**, then press the **ENTER** or ► button.
3. Press the ▲▼ buttons to select **Language Setup**, then press the **ENTER** or ► button.
   - Language setup menu will be displayed.

4. Press the ▲▼ buttons to select the desired language option, press the **ENTER** or ► button.

   - **Audio** : For the disc audio language.
   - **Subtitle** : For the disc subtitles.
   - **Disc Menu** : For the disc menu contained on the disc.
   - **Menu** : For the on-screen menu of your Blu-ray Home Cinema.

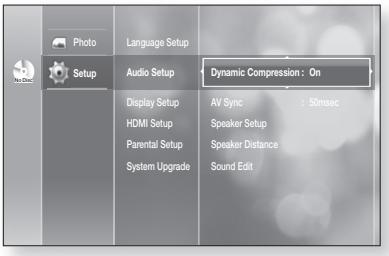
5. Press the ▲▼ buttons to select the desired language, then press the **ENTER** button.

- Press the **RETURN** or ◄ button to return to the previous menu. Press the **MENU** button to exit the menu.
- The selected language will only appear if it is supported on the disc.

SETTING UP THE AUDIO OPTIONS

Allows you to set up the system's audio features.

1. With the unit in Stop mode, press the **MENU** button.
2. Press the ▲▼ buttons to select **Setup**, then press the **ENTER** or ► button.
3. Press the ▲▼ buttons to select **Audio Setup**, then press the **ENTER** or ► button.
   - Audio setup menu will be displayed.



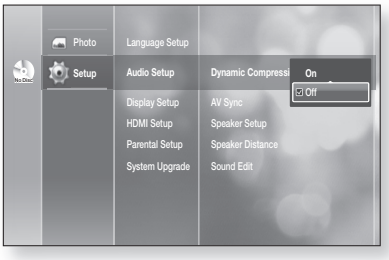
4. Press the ▲▼ buttons to select **Dynamic Compression** or **AV Sync**, then press the **ENTER** or ► button.
5. Press the ▲▼ buttons to select the desired item, then press the **ENTER** button.

▪ Press the **RETURN** or ◄ button to return to the previous menu.
Press the **MENU** button to exit the menu.

Dynamic Compression

This is only active when a Dolby Digital signal is detected.

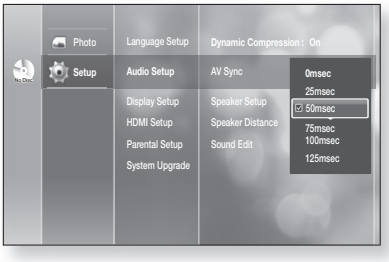
- **On** : When Movie soundtracks are played at low volume or from smaller speakers, the system can apply appropriate compression to make low-level content more intelligible and prevent dramatic passages from getting too loud.
- **Off** : You can enjoy the movie with the standard Dynamic Range.



AV Sync

Video may look slower than the audio when the player is connected to a digital TV. If this occurs, adjust the audio delay time to match the video.

- You can set the audio delay time between 0 ms and 300 ms. Set it to the optimal status.

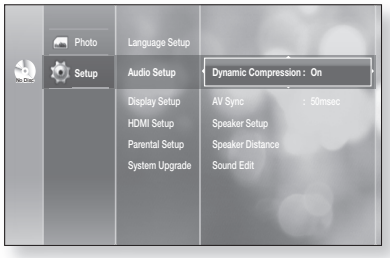


SETTING UP THE SPEAKER OPTIONS

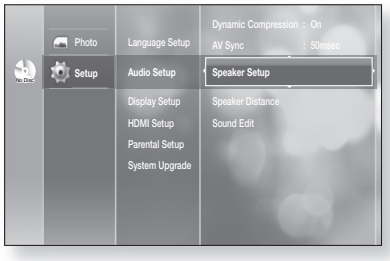
Setting the Speaker Mode

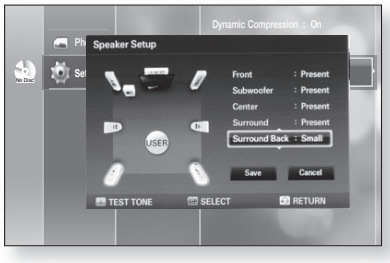
Signal outputs and frequency responses from the speakers will automatically be adjusted according to the system's speaker configuration and whether certain speakers are used or not.

1. With the unit in Stop mode, press the **MENU** button.
2. Press the ▲▼ buttons to select **Setup**, then press the **ENTER** or ► button.
3. Press the ▲▼ buttons to select **Audio Setup**, then press the **ENTER** or ► button.
   - Audio setup menu will be displayed.



4. Press the ▲▼ buttons to select **Speaker Setup**, then press the **ENTER** or ► button.
5. Press the ▲▼buttons to select the **Surround Back**, then press the **ENTER** button.
   - For **Surround Back**, each time **ENTER** button is pressed, the mode switches alternately as follows : **Small → None.**
   - For Front, Subwoofer, Center and Surround, the mode is set to Present.
6. When done, use the ▲▼◄► buttons to select **Save**, then press the **ENTER** button.
   If you don't want to save your settings, use the ▲▼◄► buttons to select **Cancel**, then press the **ENTER** button.





▪ Press the **RETURN** button to return to the previous menu.

SETTING UP THE SPEAKER OPTIONS

Speaker Setup

Front (L, R)	Present
Subwoofer (LFE)	Present
Center (C)	Present
Surround (SL, SR)	Present
Surround Back (SBR, SBL)	Small, None

Speaker

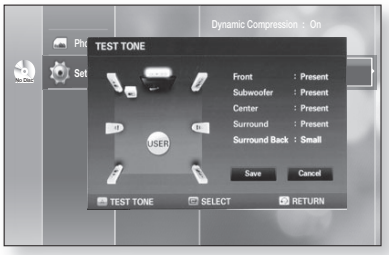
- **Small/Present :** Bass below 100Hz will be outputted through the Subwoofer instead of the speakers.
- **None** : Select to disable the speakers.

Setting the Test Tone

Use the Test Tone feature to check the speaker connections.

Press the **RED(A)** button

- A test tone will be sent to **L → C → R → SR → SBR → SBL → SL → LFE** in order so you can make sure the speakers are set up correctly.
- To end the test tone, press the **RED (A)** button again.

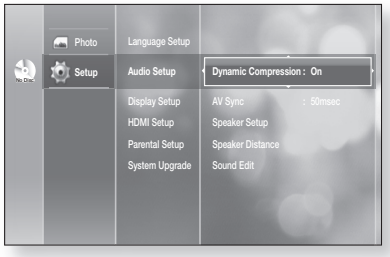


- When playing a BD/DVD or CD, this will work only in Stop mode.
- Use this function to check that each speaker is correctly connected and that there is no problem.
- When HDMI AUDIO is on (audio is produced through TV speakers), the TEST TONE function is not available.

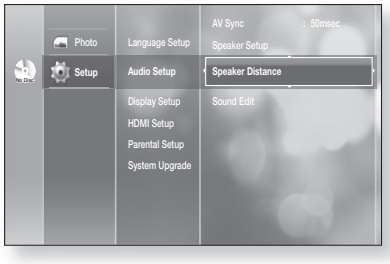
Setting the Speaker Distance

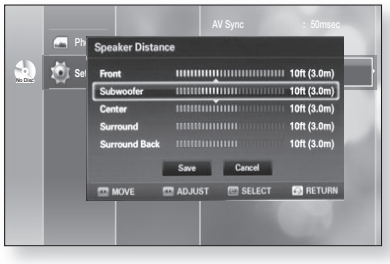
If the speakers cannot be placed at equal distances from the listening position, you can adjust the delay time of the audio signals from the front, subwoofer, center, surround and surround back speakers.

1. With the unit in Stop mode, press the **MENU** button.
2. Press the ▲▼ buttons to select **Setup**, then press the **ENTER** or ► button.
3. Press the ▲▼ buttons to select **Audio Setup**, then press the **ENTER** or ► button.
   - Audio setup menu will be displayed.



4. Press the ▲▼ buttons to select **Speaker Distance**, then press the **ENTER** or ► button.
5. Press the ▲▼ buttons to select the desired Speaker, then press the ◄► buttons to set the Speaker Distance.
   - You can set the Speaker Distance between 0.3m(1ft) and 9m(30ft).
6. When done, use the ▲▼◄► buttons to select **Save**, then press the **ENTER** button.
   If you don't want to save your settings, use the ▲▼◄► buttons to select **Cancel**, then press the **ENTER** button.





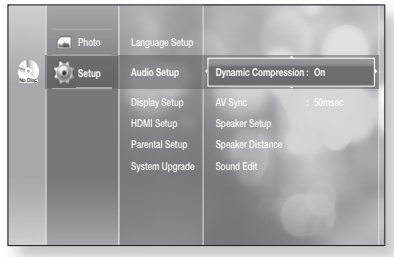
▪ Press the **RETURN** button to return to the previous menu.

SETTING UP THE SPEAKER OPTIONS

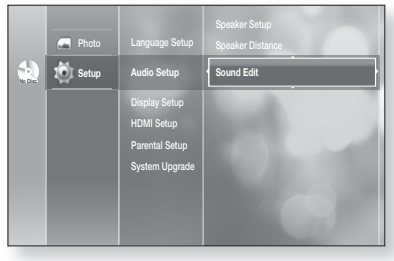
Setting the Sound Edit

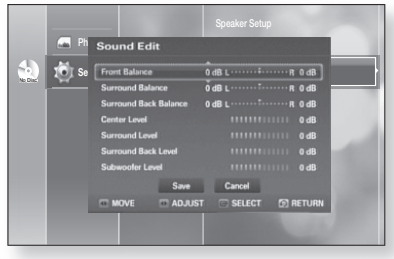
You can adjust the balance and level for each speaker.

1. With the unit in Stop mode, press the **MENU** button.
2. Press the ▲▼ buttons to select **Setup**, then press the **ENTER** or ► button.
3. Press the ▲▼ buttons to select **Audio Setup**, then press the **ENTER** or ► button.
   - Audio setup menu will be displayed.



4. Press the ▲▼ buttons to select **Sound Edit**, then press the **ENTER** or ► button.
5. Press the ▲▼ buttons to select the desired Speaker, then press the ◄► button to adjust the settings.
6. When done, use the ▲▼◄► buttons to select **Save**, then press the **ENTER** button.
   If you don't want to save your settings, use the ▲▼◄► buttons to select **Cancel**, then press the **ENTER** button.





▪ Press the **RETURN** button to return to the previous menu.

Adjusting Front/Surround/Surround Back Speaker Balance

- You can select between 0, -6, and OFF.
- The volume decreases as you move closer to –6.

Adjusting Center/Surround/Surround Back/Subwoofer Speaker Level

- The volume level can be adjusted in steps from +6dB to –6dB.
- The sound gets louder as you move closer to +6dB and quieter as you get closer to -6dB.

SETTING UP THE VIDEO DISPLAY/OUTPUT OPTIONS

This function allows you to set up the TV screen settings. This function depends on the disc or TV type. It may not work with some discs or TVs.

1. With the unit in Stop mode, press the **MENU** button.
2. Press the ▲▼ buttons to select **Setup**, then press the **ENTER** or ► button.
3. Press the ▲▼ buttons to select **Display Setup**, then press the **ENTER** or ► button.
   • Display setup menu will be displayed.
4. Press the ▲▼ buttons to select the desired display option then press the **ENTER** or ► button.

5. Press the ▲▼ buttons to select the desired sub-menu item from a display option, then press the **ENTER** button.

▪ Press the **RETURN** or ◄ button to return to the previous menu. Press the **MENU** button to exit the menu.

TV Aspect

Depending on the type of television you have, you may want to adjust the screen setting. (aspect ratio)

• **4:3 Letter Box :**
Select when you want to see the total 16:9 ratio screen BD/DVD supplies, even though you have a TV with a 4:3 ratio screen. Black bars will appear at the top and bottom of the screen.

• **4:3 Pan-Scan :**
Select this for conventional size TV when you want to see the central portion of the 16:9 screen. (Extreme left and right side of movie picture will be cut off.)

• **16:9 Wide :**
You can view the full 16:9 picture on your widescreen TV.

▪ Depending on the disc type, some aspect ratios may not be available.

▪ Certain movies will be displayed in 4:3 Pillarbox (black bars on sides of picture) even if 16:9 wide is selected.

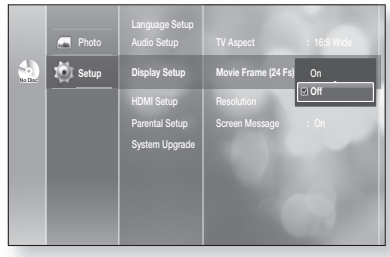
Movie Frame (24 Fs)

Movies are usually filmed at 24 frames per second. Some Blu-ray Discs have the capability of playing back at this frame rate. Setting the Movie Frame (24Fs) feature to ON allows you to adjust the Blu-ray player's HDMI output to 24 frames per second for improved picture quality.

You can enjoy the Movie Fame (24Fs) feature solely on a TV supporting this frame rate.

This menu can only be selected in 1080i or 1080p HDMI output resolution modes.

Depending on the disc, two types of source may be included: Movie material (24 frame) and Video material (30 frame). When switching the source between Movie and Video, the screen may blink for a few seconds.



Resolution

Sets the output resolution of the Component and HDMI video signal.

- The number in 576i/480i, 576p/480p, 720p, 1080p and 1080i indicates the number of lines of video. The i and p indicate interlace and progressive scan, respectively.
  - 1080p : Outputs 1080 lines of progressive video.
  - 1080i : Outputs 1080 lines of interlaced video.
  - 720p : Outputs 720 lines of progressive video.
  - 576p/480p : Outputs 480 lines progressive video.
  - 576i/480i : Outputs 480 lines of interlaced video.

▪ Component does not output 1080p.

If the connected TV does not support the movie frame or the selected resolution, you will see the following message:

If you select Yes and the resolution is not supported, the TV's screen will be blank.

Photo
Language Setup
Audio Setup
TV Aspect : 16:9 Wide
Movie Frame (24 Fs) : Off
If no pictures are shown after the selection, please wait for 15 seconds. And then, the resolution will be reverted to the previous value automatically.
Would you like to make a selection?
Yes
No

▪ If the screen is blank, press and hold the **STOP** (⊙) button on the front of the player for more than 5 seconds (no disc inserted). All settings are restored to the factory default. Follow the steps on the previous page to access each mode and select the Display Setup that your TV will support.

Resolution according to the output mode

• BD playback

Setup \ Output	HDMI	Component	VIDEO
1080p, Movie Frame(24Fs) off	1080p@60F	1080i	576i/480i
1080p/1080i, Movie Frame (24Fs) on	1080p@24F	1080i	576i/480i
1080i, Movie Frame (24Fs) off	1080i	1080i	576i/480i
720p	720p	720p	576i/480i
576p/480p	576p/480p	576p/480p	576i/480i
576i/480i	576p/480p	576i/480i	576i/480i

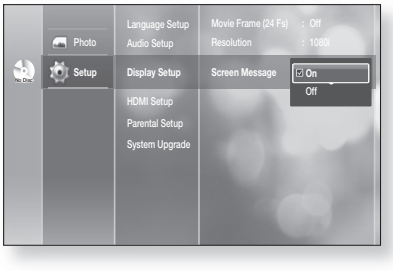
• DVD playback

Setup \ Output	HDMI	Component	VIDEO
1080p	1080p@60F	576p/480p	576i/480i
1080i	1080i	576p/480p	576i/480i
720p	720p	576p/480p	576i/480i
576p/480p	576p/480p	576p/480p	576i/480i
576i/480i	576p/480p	576i/480i	576i/480i

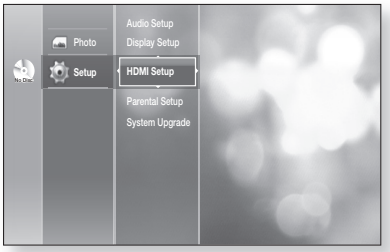
- This player has the HDMI Auto Detect Feature. When the player is first connected to a TV via HDMI, the player's output will be set automatically to HDMI.
- If the HDMI Auto Detection feature does not work, you can't select the 1080p resolution or Movie Frame (24 Fs).
- The BD disc must have the 24 frame feature in order to use the Movie Frame (24 Fs) mode.
- If you have both HDMI and Component cables connected to your TV, the Component resolution may differ from the chart above.
- In DVD playback, if both HDMI and Component jacks are connected and you select the Component mode, the Display Setup menu will show the output resolution as 1080p. The resolution is actually 576p/480p.
- If the resolution is set to 'I' (ex: 576i/480i or 1080i), the output is displayed in 30 frames per second and if set to 'p' (ex: 576p/480p, 720p, 1080p), it will be displayed in 60 frames per second.
  i : interlaced mode (30 frames) p : progressive mode (60 frames)

Screen Message

- **On** : Displays messages related to operation mode.
- **Off** : Does not display messages related to operation mode.



SETTING UP THE HDMI SETUP OPTIONS



1. With the unit in Stop mode, press the **MENU** button.
2. Press the ▲▼ buttons to select **Setup**, then press the **ENTER** or ► button.
3. Press the ▲▼ buttons to select **HDMI Setup**, then press the **ENTER** or ► button.
   - HDMI setup menu will be displayed.
4. Press the ▲▼ buttons to select the desired **HDMI** option (Format or HDMI Audio), then press the **ENTER** or ► button.
5. Press the ▲▼ buttons to select the desired sub-menu item from a HDMI option, then press the **ENTER** button.

■ Press the **RETURN** or ◄ button to return to the previous menu. Press the **MENU** button to exit the menu.

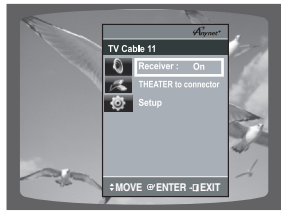
Anynet+ (HDMI-CEC)

Anynet+ is a function that enables you to control other Samsung Devices with your Samsung TV's remote control, Anynet + can be used by connecting this Home Cinema to a SAMSUNG TV using an HDMI Cable. (This is only available with SAMSUNG TVs that support Anynet+.)

What is Anynet+?

You can operate this unit, power on your TV, or watch a movie by pressing the Play button on your Samsung TV's remote control.

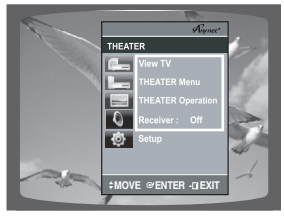
1. Connect the main unit of the Home Cinema to a Samsung TV with an HDMI cable. (See page 22)
2. Set the Anynet+ function on your TV. (See the TV instruction manual for more information.)
   - You can operate the Home Cinema by using the TV remote control. (Available TV buttons : ⏮, ⏹, ⏯, ⏭ ▲,▼ and ,◄,► buttons, ⓪ ~ ⑨ button)



If you select TV

Set the Anynet+(HDMI-CEC) function to **On** on your TV.

- **Receiver : On** : You can listen to audio through the Home Cinema.
- **Receiver : Off** : You can listen to audio through the TV.



If you select the THEATER

Select **THEATER to connector** and set the option of each items below.

- **View TV** : If Anynet+ (HDMI-CEC) is on and you select View TV, the Home Cinema will automatically switch to DIGITAL IN.
- **THEATER Menu** : You can access the Home Cinema menu.
- **THEATER Operation** : The Home Cinema disc playback information will be displayed.
- **Receiver : On** : You can listen to audio through the Home Cinema.
- **Receiver : Off** : You can listen to audio through the TV.

■ If you want to listen to TV sound through the Home Cinema system, connect the optical cable from the TV to the OPTICAL 1 port of the system.

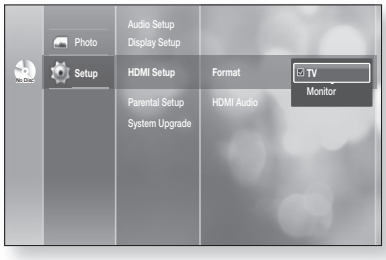
■ If Anynet+ (HDMI-CEC) is on and you turn off the main unit, your TV will also turn off.

■ Anynet+ (HDMI-CEC) will only work while in the DVD mode.

Format

You can optimize the HDMI output for connection to a TV or Monitor.

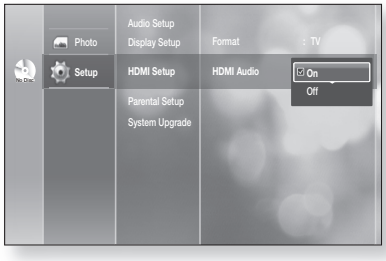
- **TV** : Select if connected to a TV via HDMI.
- **Monitor** : Select if connected to a Monitor via HDMI.
  If the player is connected to a TV, the Monitor option is unavailable.



HDMI Audio

The audio signals transmitted over the HDMI Cable can be toggled ON/OFF.

- **On :** Both video and audio signals are transmitted over the HDMI connection cable, and audio is output through your TV speakers only.
- **Off :** Video is transmitted over the HDMI connection cable only, and audio is output through the Home Cinema speakers only.



- The default setting of this function is HDMI Audio Off.
- HDMI AUDIO is automatically down-mixed to 2ch for TV speakers.

SETTING UP THE PARENTAL LOCK

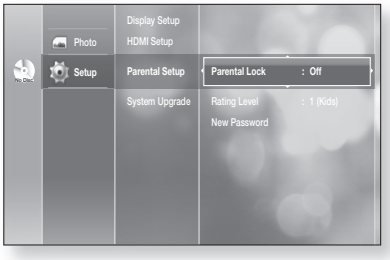
The Parental Lock function works in conjunction with BD/DVDs that have been assigned a rating which helps you control the types of BD/DVDs that your family watches. There are up to 8 rating levels on a disc.

BD-ROM DVD-VIDEO

1. With the unit in Stop mode, press the **MENU** button.
2. Press the ▲▼ buttons to select **Setup**, then press the **ENTER** or ► button.
3. Press the ▲▼ buttons to select **Parental Setup**, then press the **ENTER** or ► button.
   - When you operate your Blu-ray Home Cinema for the first time, the “Enter New password” message will be displayed.

4. Enter the 4-digit password using the number buttons on the remote control.
   The “Confirm the password” message will be displayed. Enter your password again.
5. Press the **ENTER** or ► button to select **Parental Lock**.

6. Press the ▲▼ buttons to select **On** or **Off**, then press the **ENTER** button.



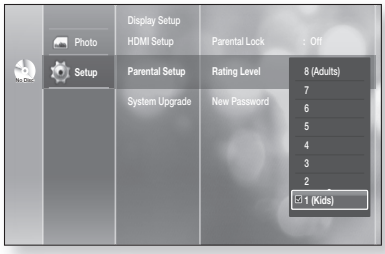
- Press the **RETURN** or ◄ button to return to the previous menu.
  Press the **MENU** button to exit the menu.

If you forgot your password

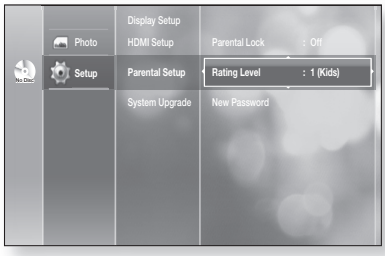
1. Remove the disc.
2. Press and hold the **STOP** (⦿) button on the front panel for 5 seconds or more.
   - All settings will revert to the factory settings.

Setting the Rating Level

1. Press the ▲▼ buttons to select **Rating Level**, then press the **ENTER** or ► button.

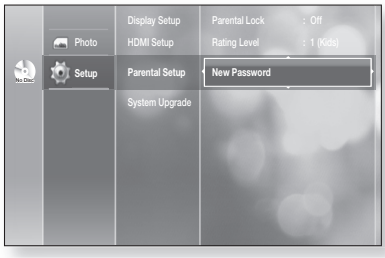


2. Press the ▲▼ buttons to select the rating level you want, then press the **ENTER** button.
   - For example, if you select up to Level 6, discs that contain Level 7, 8 will not play.
     A larger number indicates that the program is intended for adult use only.
     Level 1 is the most restrictive and Level 8 is the least.



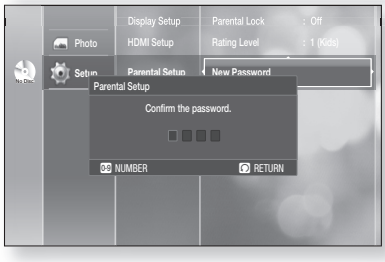
Changing the Password

1. Press the ▲▼ buttons to select **New Password**, then press the **ENTER** or ► button.



2. Enter the 4-digit password using the number buttons on the remote control. The “Confirm the password.” message will be displayed.

3. Enter your password again using the number buttons on the remote control.



system upgrade

Samsung may offer upgrades to your Blu-ray player's firmware in the future. To upgrade this firmware you must :

1. Go to samsung.com and refer to 'SUPPORT' page to download the firmware and burn an update CD.
   or
2. Connect this player's LAN terminal to the LAN terminal on your modem (see page 26) and follow the steps below.

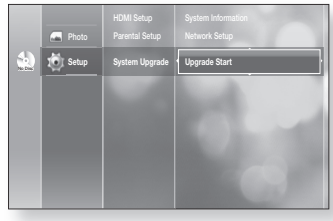
FIRMWARE UPGRADE

1. With the unit in No Disc mode, press the **MENU** button.

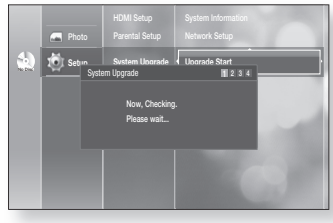
2. Press the ▲▼ buttons to select **Setup**, then press the **ENTER** or ► button.

3. Press the ▲▼ buttons to select **System Upgrade**, then press the **ENTER** or ► button.

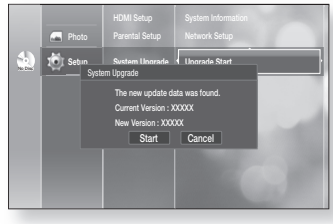
4. Press the ▲▼ buttons to select **Upgrade Start**, then press the **ENTER** or ► button.



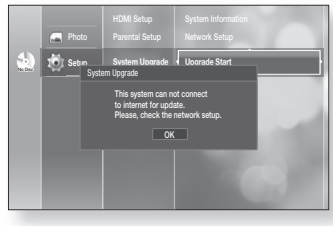
5. You will see a window that allows you to check the cable or network connection status.



■ If the upgrade is possible : You will see information on the current and new versions of firmware in a message box.

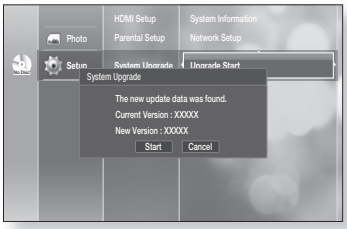


■ If the upgrade is not possible : You will see the following description in the message box.

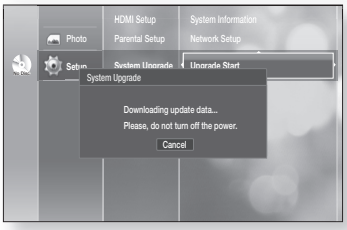


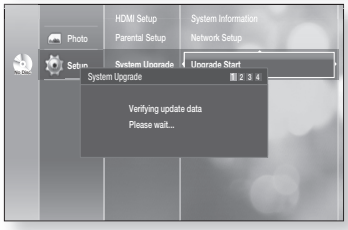
- If the cable is not connected :
  "This system can not connect to internet for update. Please, check the network setup."
- If the network connection has failed :
  "This system can not connect to internet for update. Please, check the network setup"
- If no later version has been released (the latest version has been already installed) :
  "The latest version of the firmware is already installed. There is no need to update."
- If there is a disc in the player :
  "Please maintain "No Disc" state for network update."
  This indicates that you must remove all discs from the unit to perform the update.

6. To perform the system upgrade, press the ◄► buttons to select **Start** and then press the **ENTER** button.



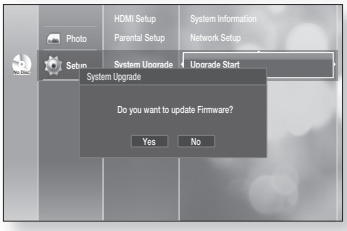
7. The system update gets started.





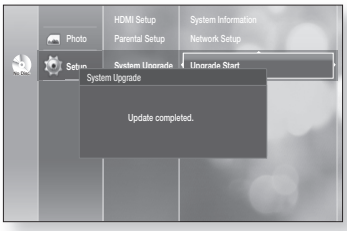
8. When the verification is done, you will see a window that allows you to update firmware. To perform the firmware update,press the ◄► buttons to select **Yes** and then press the **ENTER** button.

- You will see a message about the upgrade process for 3 seconds.
  - When update is finished, the power will turn off.
- If you do not want to update firmware, select **No** and then press the **ENTER** button.



9. When the installation is done, you will see a "**Update Completed**" message.

- The player will automatically turn off in 3 seconds.
- Please turn the player on, then press the STOP button 5 seconds to intialize the player.
- If you intialize the player, all settings will revert to the factory settings. You will see the menu language selection window.



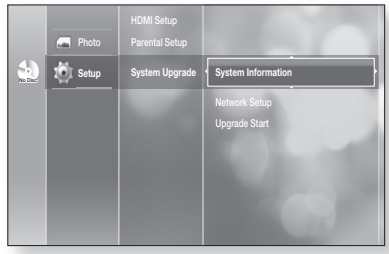
- If you want to cancel the upgrade while it is in process, press the **ENTER** button. You will see a confirmation message. Selecting **Yes** will end the upgrade process, and selecting **No** will proceed with the verification step.
- When the system upgrade is done, check the firmware details in the System Upgrade menu.
- Do not turn off the player during the System Upgrade Otherwise, the player may not work properly.
- When software is upgraded, settings you have made will return to their default (factory) settings. We recommend you write down your settings so that you can easily reset them after the upgrade.

system upgrade

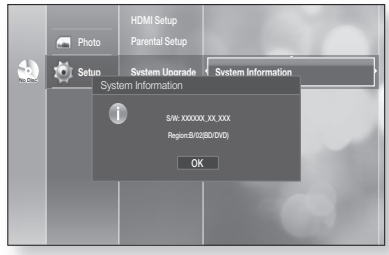
SYSTEM INFORMATION

When the firmware upgrade is done, check the firmware details by following the steps below.

1. With the unit in Stop mode, press the **MENU** button.
2. Press the ▲▼ buttons to select **Setup**, then press the **ENTER** or ► button.
3. Press the ▲▼ buttons to select **System Upgrade**, then press the **ENTER** or ► button.



4. Press the ▲▼ buttons to select **System Information**, then press the **ENTER** or ► button.
   - You can see detailed information about the current firmware.
5. Press the **ENTER** button to select **OK**.
   - System Upgrade menu will be displayed.



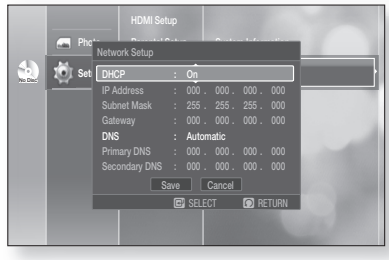
NETWORK SETUP

In some rare cases, the firmware upgrade may not succeed.
If this occurs, you may need to set up your IP address, Subnet, Mask, Gateway and DNS by following the steps below.

To setup, follow steps 1 and 3 above

4. Press the ▲▼ buttons to select **Network setup**, then press the **ENTER** or ► button.
   - You will see a menu that allows you to make network settings.

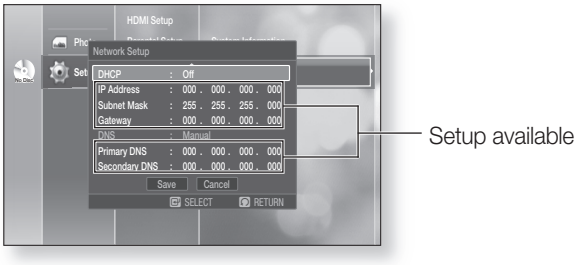
5. Press the ▲▼ buttons to select **DHCP**, then press the **ENTER** button.


HDMI Setup
Network Setup
DHCP : On
IP Address : 000 . 000 . 000 . 000
Subnet Mask : 255 . 255 . 255 . 000
Gateway : 000 . 000 . 000 . 000
DNS : Automatic
Primary DNS : 000 . 000 . 000 . 000
Secondary DNS : 000 . 000 . 000 . 000
Save
Cancel
SELECT
RETURN

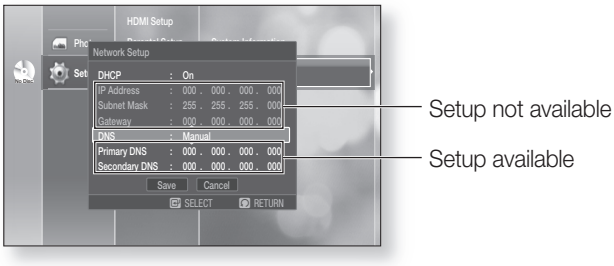
- If DHCP is set to On, you can't select IP Address, Subnet Mask or Gateway.
- If DNS is set to Automatic, you can't select Primary/ Secondary DNS.

6. Press the ▲▼ buttons to select a desired item, then press the **ENTER** button.

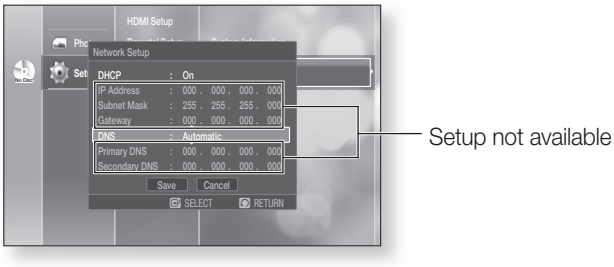
- If DHCP is set to Off and DNS is set to Manual


HDMI Setup
Network Setup
DHCP : Off
IP Address : 000 . 000 . 000 . 000
Subnet Mask : 255 . 255 . 255 . 000
Gateway : 000 . 000 . 000 . 000
DNS : Manual
Primary DNS : 000 . 000 . 000 . 000
Secondary DNS : 000 . 000 . 000 . 000
Save
Cancel
SELECT
RETURN
Setup available

- If DHCP is set to On and DNS is set to Manual


HDMI Setup
Network Setup
DHCP : On
IP Address : 000 . 000 . 000 . 000
Subnet Mask : 255 . 255 . 255 . 000
Gateway : 000 . 000 . 000 . 000
DNS : Manual
Primary DNS : 000 . 000 . 000 . 000
Secondary DNS : 000 . 000 . 000 . 000
Save
Cancel
SELECT
RETURN
Setup not available
Setup available

- If DHCP is set to On and DNS is set to Automatic


HDMI Setup
Network Setup
DHCP : On
IP Address : 000 . 000 . 000 . 000
Subnet Mask : 255 . 255 . 255 . 000
Gateway : 000 . 000 . 000 . 000
DNS : Automatic
Primary DNS : 000 . 000 . 000 . 000
Secondary DNS : 000 . 000 . 000 . 000
Save
Cancel
SELECT
RETURN
Setup not available

▪ When you select an item, use the number and ▲▼◄► buttons.

7. When done, use the ▲▼ buttons to select **Save**, then press the **ENTER** button.

8. If you don't want to save your work, use the ▲▼◄► buttons to select **Cancel**, then press the **ENTER** button.

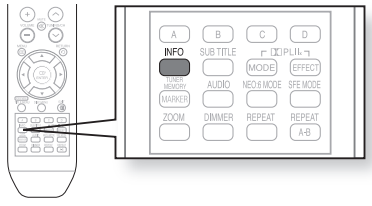
▪ The IP address used in this manual is for illustrative purposes only. You must refer to the your network settings for the actual IP address.

watching a movie

USING THE DISPLAY FUNCTION

BD-ROM DVD-VIDEO DVD-RW DVD-R

1. During playback, press the **INFO** button on the remote control.
2. Press the ▲▼ buttons to select the desired item.
3. Press the ◄► buttons to make the desired setup and then press the **ENTER** button.
   - You may use the number buttons of the remote control to directly access a title, chapter or to start the playback from a desired time.
4. To make the screen disappear, press the **INFO** button again.



- If you are playing contents from the Info menu, in some cases, playback may malfunction depending on the title.
- Title : To access the desired title when there is more than one in the disc. For example, if there is more than one movie on a BD/DVD, each movie will be identified as a Title.
- Chapter: Most BD/DVD discs are recorded in chapters so that you can quickly find a specific passage.
- Playing Time : Allows playback of the film from a desired time. You must enter the starting time as a reference. The time search function does not operate on some discs.
- Audio : Refers to the film's soundtrack language. A BD disc can contain up to 32 audio languages and a DVD up to 8.
- Subtitle : Refers to the subtitle languages available in the disc. You will be able to choose the subtitle languages or, if you prefer, turn them off from the screen. A BD disc can contain up to 255 subtitle languages, and a DVD up to 32.
- Angle : When a BD/DVD contains multiple angles of a particular scene, you can use the ANGLE function.

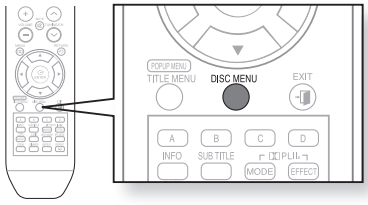
USING THE DISC MENU & POPUP/TITLE MENU

Using the Disc Menu

BD-ROM DVD-VIDEO

1. During playback, press the **DISC MENU** button on the remote control.
2. Press the ▲▼◄► buttons to make the desired setup, then press the ► or **ENTER** button.
   - The Disc menu setup items may vary from disc to disc.

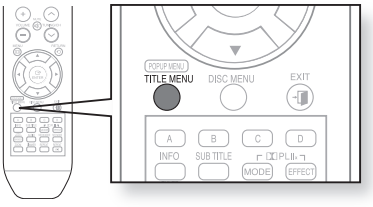
- Depending on the disc, the Disc Menu may not be available.



Using the Title Menu

DVD-VIDEO

1. During playback, press the **TITLE MENU** button on the remote control.
2. Press the ▲▼◄► buttons to make the desired setup, then press the **ENTER** button.
   - The Title menu setup options may vary from disc to disc.



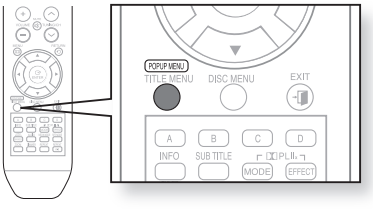
- Depending on the disc, the Title Menu may not be available.
- Title Menu will only be displayed if there are at least two titles in the disc.

Using the Popup Menu

BD-ROM

1. During playback, press the **POPUP MENU** button on the remote control.
2. Press the ▲▼◄► buttons or **ENTER** button to select the desired menu.
   - The Popup menu setup options may vary from disc to disc.

- Depending on the disc, the Popup Menu may not be available.

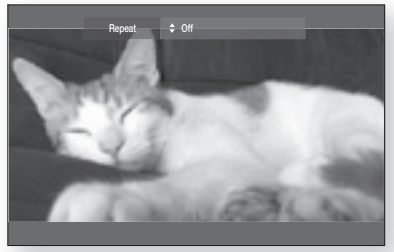


REPEAT PLAY

Repeat the current chapter or title.

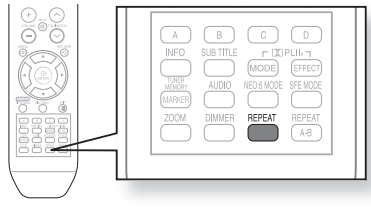
Repeat playback

1. During playback, press the **REPEAT** button on the remote control.
   - Repeat screen appears.



2. Press the ▲▼ buttons to select **Chapter** or **Title**.
   - BD/DVD repeats play by chapter or title.

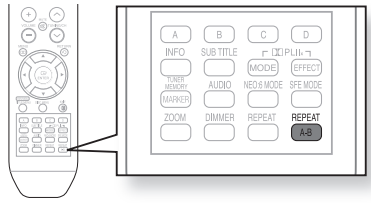
3. To return to normal play, press the **REPEAT** button again, then press the ▲▼ buttons to select **Off**.



▪ Depending on the disc, the Repeat function may not be available.

Using the A-B Repeat function

1. Press the **REPEAT A-B** button on the remote control.
2. Press the **REPEAT A-B** button at the point where you want repeat play to start (A).
3. Press the **REPEAT A-B** button at the point where you want repeat play to stop (B).
4. To return to normal play, press the **CANCEL** button.



▪ Point B cannot be set until 5 seconds of playback has elapsed from point A.

SELECTING THE AUDIO LANGUAGE

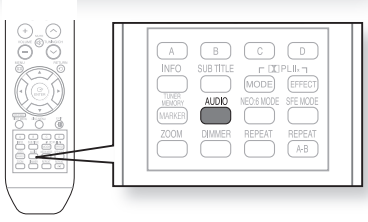
BD-ROM DVD-VIDEO

You can select a desired audio language and audio format quickly and easily with the **AUDIO** button.

Using the AUDIO button

1. Press the **AUDIO** button during playback.
- The Audio changes when the button is pressed repeatedly.
- The audio languages are represented by abbreviations.

2. To remove the **AUDIO** icon, press the **CANCEL** or **RETURN** button.



Using the INFO button

1. During playback, press the **INFO** button on the remote control.
2. Press the ▲▼ buttons to select **Audio.**
3. Press the ◄► buttons on the remote control to select the desired audio.

- This function depends on what audio languages are encoded on the disc and may not be available.
- A BD disc can contain up to 32 audio languages and a DVD up to 8.
- Depending on the disc type, you can use the Audio button to change the audio sound track as well as the audio language.
  Some Blu-ray Discs may allow you to select multi-channel LPCM, Dolby digital audio English sound tracks and HD audio formats like Dolby digital+, Dolby TrueHD or DTS-HD.

SELECTING THE SUBTITLE LANGUAGE

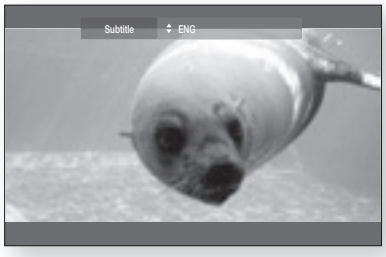
BD-ROM DVD-VIDEO

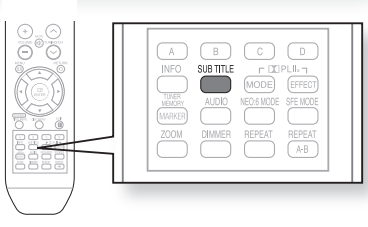
You can select a desired subtitle quickly and easily with the **SUBTITLE** button.

Using the SUBTITLE button

1. Press the **SUBTITLE** button.
- The subtitle changes when the button is pressed repeatedly. The subtitle languages are represented by abbreviations.

2. To remove the **SUBTITLE** icon, press the **CANCEL** or **RETURN** button.





Using the INFO button

1. During playback, press the **INFO** button on the remote control.
2. Press the ▲▼ buttons to select **Subtitle**.
3. Press the ◄► buttons on the remote control to select the desired subtitle language.

- Depending on BD/DVDs, you may have to change the desired subtitle in the Disc Menu. Press the **DISC MENU** button.
- This function depends on what subtitles are encoded on the disc and may not be available on all BD/DVDs.
- A BD disc can contain up to 255 subtitle languages and a DVD up to 32.

watching a movie

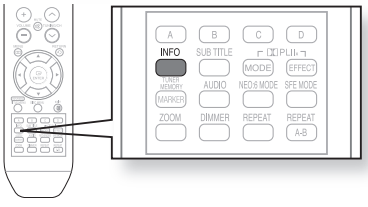
CHANGING THE CAMERA ANGLE

When a BD/DVD contains multiple angles of a particular scene, you can use the ANGLE function.

Using the ANGLE function

BD-ROM DVD-VIDEO

1. During playback, press the **INFO** button on the remote control.
2. Press the ▲▼ buttons to select **Angle**.
3. Press the ◄► buttons or you can use the number buttons on the remote control to select the desired angle.



- If the disc has only one angle, this feature won't work. Currently, very few discs have this feature.
- Depending on the disc, these functions may not work.

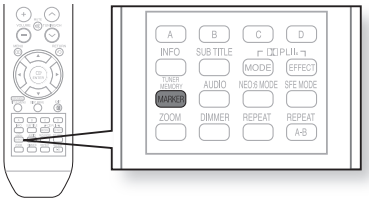
USING THE BOOKMARK FUNCTION

The features lets you bookmarks sections of a DVD so you can quickly find them at a later time.

Using the MARKER button

BD-ROM DVD-VIDEO DVD-RW DVD-R

1. During playback, press the **MARKER** button on the remote control.
   - The Bookmark screen appears.
2. Press the **ENTER** button when the desired scene appears.
   - The selected scene will be stored.
3. Press the ◄► buttons to move to the next position.
4. Press the **ENTER** button again when the desired scene appears.
   - The scene will be stored at the selected position and the bookmark time information will be shown.
   - Repeat above to bookmark other positions.
   - You can bookmark up to 8 scenes.



- When the EJECT button is pressed, bookmarks will disappear.

Playing back a bookmark

1. During playback, press the **MARKER** button on the remote control.

2. Press the ◄► buttons to select a bookmarked scene.
3. Press the **ENTER** or **PLAY/PAUSE**(⏯) button to start playing from the selected scene.

Clearing a bookmark

1. During playback, press the **MARKER** button on the remote control.

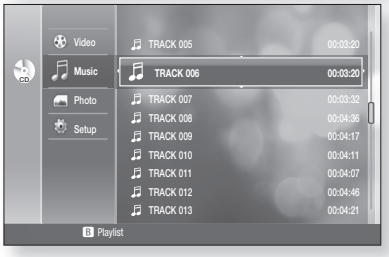
2. Press the ◄► buttons to select a bookmarked scene.

3. Press the **RED(A)** or **CANCEL** button to delete the selected bookmark.

listening to music

PLAYING AN AUDIO CD(CD-DA)

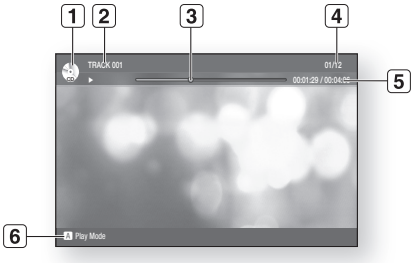
1. Insert an Audio CD(CD-DA) into the Disc Insert Hole.
   - For an audio CD, the first track will be played automatically.
2. To move to the Music List, press the **STOP** or **RETURN** button.
   - The Music List screen is displayed
3. Press the ▲▼ buttons to select the track you want to play, and then press the **ENTER** button.



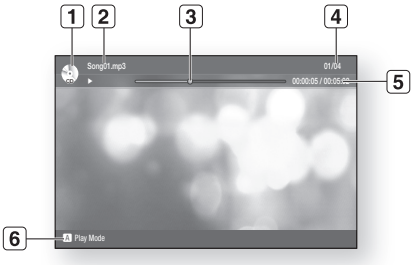
PLAYING AN MP3

1. Insert an MP3 disc into the Disc Insert Hole.
   - The Menu screen is displayed.
2. Press the ▲▼ buttons to select **Music**, then press the **ENTER** button.
   - The Music List is displayed.
3. Press the ▲▼ buttons to select the MP3 file you want to play, and then press the **ENTER** button.

Audio CD(CD-DA)



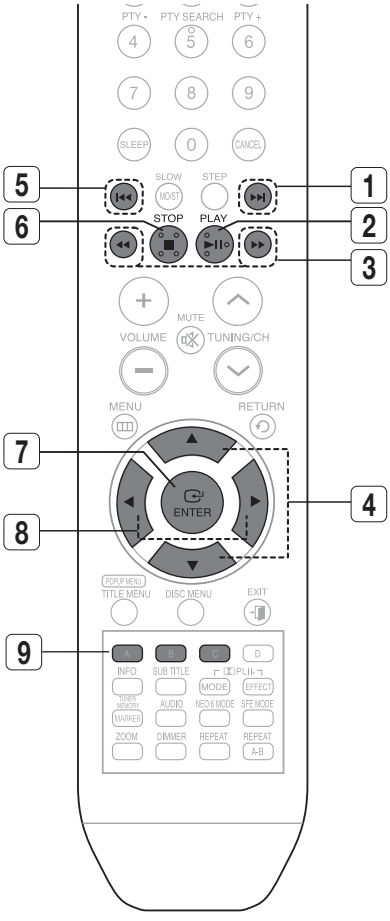
MP3



AUDIO CD(CD-DA)/MP3 SCREEN ELEMENTS

1	Displays the media type.
2	• Current track (song) • Audio CD(CD-DA) : Displays the number of the track currently being played. • MP3 : Displays the name of the track currently being played.
3	Play Status Bar.
4	Displays the current play index, total track number.
5	Current /Total Play Time.
6	Displays available COLOR buttons. (see next page for Color button usage).

BUTTONS ON THE REMOTE CONTROL USED FOR AUDIO CD (CD-DA)/ MP3 DISC PLAYBACK



1. SKIP(⏭) button: During playback, plays the next track. Moves to the next page in the Music List or the Playlist.
2. PLAY/PAUSE (⏯) button: Plays the currently selected track. If pressed during playback, the current track is paused.
3. Press the SEARCH (⏪⏩) buttons : Fast Play (Audio CD(CD-DA) only).
4. ▲▼ buttons : Selects a track(song) or a folder in Music List or Playlist.
5. SKIP (⏮) button : Returns to the beginning of the current track when pressed during playback. If pressed again, your Blu-ray Home Cinema moves to and plays the previous track. If you press this button within three seconds after playback starts, the previous track will be played. If you press this button after three seconds, the current track will be replayed from the beginning. Moves by the page in the Music List or the Playlist.
6. STOP (⏹) button: Stops a track(song).
7. ENTER button : Plays the selected track (song).
8. ◄► buttons
   ► : Moves to the applicable folder or plays the applicable track, according to the current position.
   ◄ : Moves to the parent folder.
9. COLOR buttons: RED(A), GREEN(B), YELLOW(C)
   RED(A) button : Selects the Play Mode(Repeat) during playback.
   GREEN(B) button : Go to Playlist from Music List/Go to Music list from Playlist.
   YELLOW(C) button : Playlist play.

REPEAT AUDIO CD(CD-DA) & MP3

During playback, press the **REPEAT** or **RED(A)** button repeatedly to select the repeat mode you want.

When playing an Audio CD(CD-DA) : Normal ➞ 🔁 ➞ 🔁ALL ➞ 🔁R

When playing an MP3 disc : Normal ➞ 🔁 ➞ 🔁 ➞ 🔁R

- **Normal (Audio CD(CD-DA)/MP3)**: Tracks on a disc are played in the order in which they were recorded on the disc.
- 🔁 **Repeat Track (Audio CD(CD-DA)/MP3)**
- 🔁 **Repeat Folder (MP3)**
- 🔁R **Random (Audio CD(CD-DA)/MP3)**
  - **When playing an Audio CD(CD-DA):** The random option plays a disc's tracks in random order.
  - **When playing an MP3 disc :** The random option plays a folder's file in random order.
- 🔁ALL **Repeat All (Audio CD(CD-DA))**: All tracks are repeated.

- To return to normal playback -

Press the **REPEAT** or **RED(A)** button repeatedly to return to normal playback.

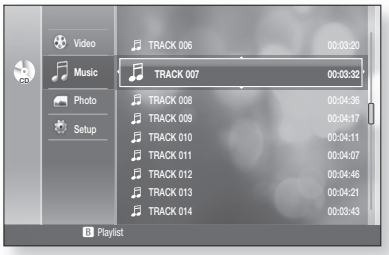
listening to music

Playlist

You can create a playlist with up to 99 tracks.

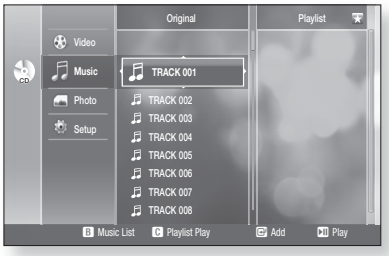
To setup, follow steps 1 to 2 in page 56.

1. Press the **GREEN(B)** button.



2. Press the ▲▼ buttons to select a track, then press the **ENTER** button to add it to the Playlist.

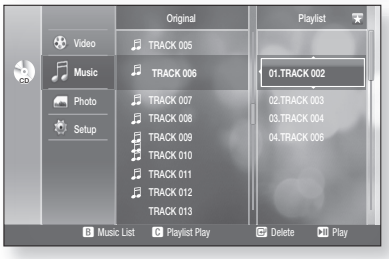
- Repeat this procedure to add additional tracks.



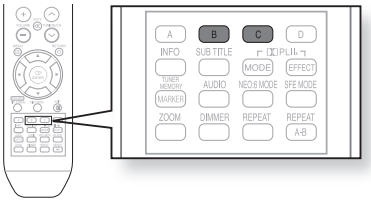
3. If there is an undesired track in the playlist, press the ►▲▼ button to select that track, and then press the **ENTER** button.

- The selected track will be deleted.

4. Press the **YELLOW(C)** button to play the selected tracks. When the track is finished, the next track will automatically play.



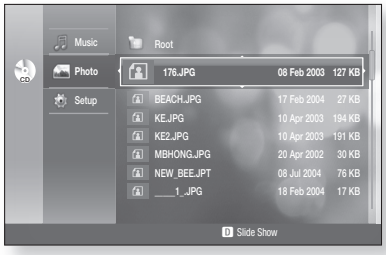
5. To go back to the Music List, press the **STOP or RETURN** button.



Viewing a Picture

VIEWING A PICTURE

1. Insert a JPEG disc into the Disc Insert Hole.
   • The Menu screen is displayed.
2. Press the ▲▼ buttons to select **Photo**, then press the **ENTER** button.
   • The Photo List is displayed.
3. Press the ▲▼ buttons to select a picture.
   • To see the next page, press the **SKIP** (⏭) button.
   • To see the previous page, press the **SKIP**(⏮) button.

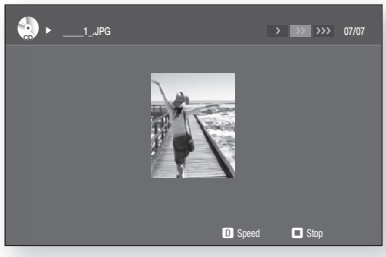

Music
Photo
Setup
Root
176.JPG 08 Feb 2003 127 KB
BEACH.JPG 17 Feb 2004 27 KB
KE.JPG 10 Apr 2003 194 KB
KE2.JPG 10 Apr 2003 191 KB
MBHONG.JPG 20 Apr 2002 30 KB
NEW_BEE.JPT 08 Jul 2004 76 KB
___1_.JPG 18 Feb 2004 17 KB
D Slide Show

▪ Photo files larger than 6Mb or with more than 7 million pixels may not be played.

SLIDE SHOW/SPEED

To setup, follow steps 1 and 2 above.

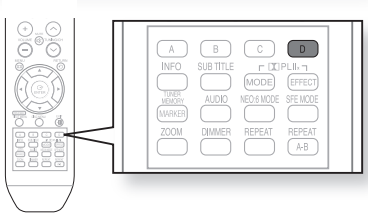
3. Press the BLUE(D) button.
   • The slide show starts.
4. When the SlideShow starts, press the **BLUE(D)** button to adjust the play speed.
   • Each time you press the button, the play speed will increase accordingly.



> → >> → >>>

- To stop the Slide Show -

Press the **STOP** or **RETURN** button.

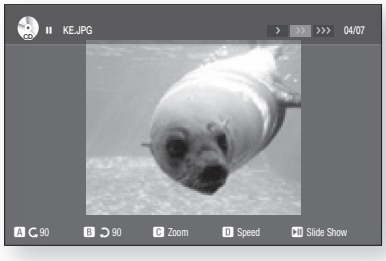


▪ JPEG's smaller than 1920 x 1080 will be displayed at normal resolution. They will not fully fill the screen.

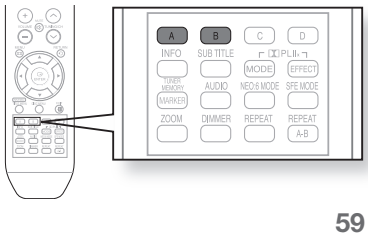
ROTATE

To setup, follow steps 1 and 3 above.

4. Press the **ENTER** button.
5. Use the **RED(A)** and **GREEN(B)** buttons to rotate the image in a desired direction.



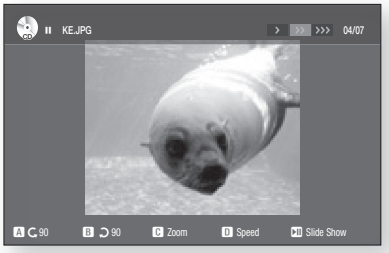
▪ Photo files larger than 6Mb or with more than 7 million pixels cannot be rotated.



ZOOM

To setup, follow steps 1 to 3 in "Viewing a Picture" on page 59.

4. Press the **ENTER** button.
5. Press the **YELLOW(C)** button.



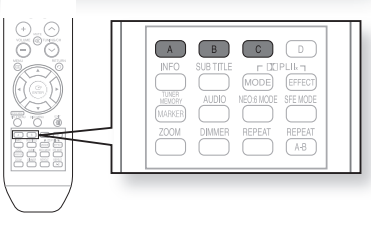
6. Use the **RED(A)** and **GREEN(B)** buttons to zoom in/out the image.

- To move the area -

Press the ▲▼◄ ► buttons to the area you want to enlarge.

- To stop the Zoom -

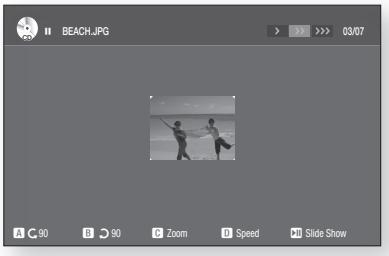
Press the **YELLOW(C)** button.



GO TO PHOTO LIST

To setup, follow steps 1 to 3 in "Viewing a Picture" on page 59.

4. Press the **ENTER** button.
5. To go Photo List, press the **RETURN** or **STOP** button.



Music
Photo
Setup
176.JPG 08 Feb 2003 127 KB
BEACH.JPG 17 Feb 2004 27 KB
KE.JPG 10 Apr 2003 194 KB
KE2.JPG 10 Apr 2003 191 KB
MBHONG.JPG 20 Apr 2002 30 KB
NEW_BEE.JPT 08 Jul 2004 76 KB
____1_.JPG 18 Feb 2004 17 KB
D Slide Show

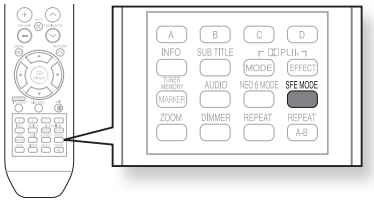
sound mode

SFE(SOUND FIELD EFFECT) MODE

You can set the SFE best suited for the type of music you are listening to.

Press the **SFE MODE** button.
- SFE MODE appears on the display panel.
- Each time the button is pressed, the selection changes as follows

HALL1 → HALL2 → JAZZ → CHURCH → ROCK → SFE OFF.



- HALL : Provides a clear vocal as if listening in a concert hall.
- JAZZ : Recommended setting for Jazz.
- ROCK : Recommended setting for Rock.
- CHURCH : Gives the feel of being in a grand church.
- SFE OFF : Select this for normal listening.

▪ SFE mode is not available with 7.1CH encoded signals or HD audio sound.

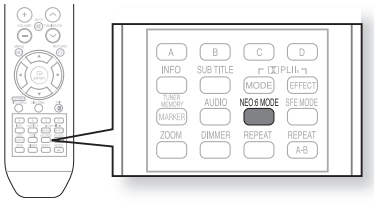
NEO:6 MODE

Enables you to play back 2 channel or DTS 5.1 channel audio signals over 7.1speakers.

Press **NEO:6 MODE** button.
- NEO:6 MODE appears on the display panel.
- Each time the button is pressed, the selection changes as follows.

CINEMA → MUSIC → NEO:6 OFF.

This mode decodes 2 channel signals to a high precision digital matrix decoder.
- CINEMA : CINEMA mode is optimized for movie playback.
- MUSIC : MUSIC mode is optimized for music playback.
- NEO:6 OFF : Select this for normal listening.



▪ NEO:6 mode is not available with 7.1CH encoded discs or HD (High Definition) audio.
▪ PCM signal is available when it is at 32KHZ, 44.1KHZ, 48KHZ, 88.2KHZ or 96KHZ.
▪ This mode is available only with 2 channel or DTS 5.1 channel audio sources.

sound mode

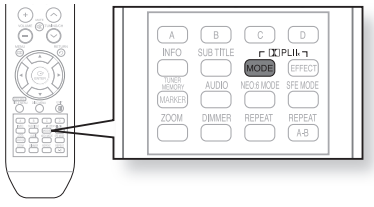
DOLBY PRO LOGIC IIx MODE

You can select the desired Dolby Pro Logic IIx audio mode.

Press the **PL IIx MODE** button.

- Each time the button is pressed, the mode changes as follows.

MUSIC → MOVIE → PRO LOGIC → MATRIX → VIRTUAL → GAME → DPL IIx OFF .



- MUSIC : When listening to music, you can experience sound effects as if you are listening to the actual performance.
- MOVIE : Adds realism to the movie soundtrack.
- PRO LOGIC : You will experience a realistic multi-channel effect, as if using six speakers, while using just the front left and right speakers.
- MATRIX : You will hear 7.1 channel surround sound.
- VIRTUAL : Select to enjoy a 5.1-channel surround sound that gives the feeling of being in a baseball park or concert hall.
- GAME : Enhances the excitement of the game's sound.
- DPL IIx OFF : Select this to listen to sound from the front left and right speakers and the subwoofer only.

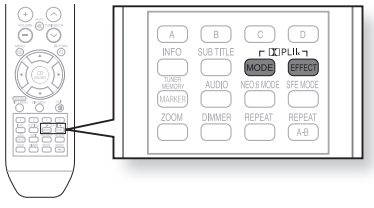
▪ When selecting Pro Logic IIx mode, connect your external device to the AUDIO INPUT jacks (L and R) on the player. If you connect to only one of the inputs (L or R), you cannot listen to surround sound.

▪ This mode is available only with 2 channel or DTS 5.1 channel audio sources.

DOLBY PRO LOGIC IIx EFFECT

This function works only in Dolby Pro Logic MUSIC mode.

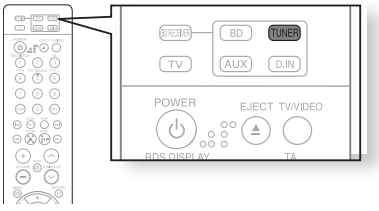
1. Press the **PL IIx MODE** button to select **MUSIC** mode.
2. Press the PL IIx **EFFECT** button.
   - Each time the button is pressed, the mode changes as follows.
3. Press the ◄ ► buttons to select the desired effect setting.
   - PANORAMA : You can select either 0 or 1.
   - C- WIDTH : You can select between 0 and 7.
   - DIMENS : You can select between 0 and 6.



radio

LISTENING TO RADIO

Remote Control



1. Press the **TUNER** button to select the FM band.
2. Tune in to the desired station.
   - **Automatic Tuning 1** : When the **SKIP** (⏮ ⏭) button is pressed, a preset broadcast station is selected.
   - **Automatic Tuning 2** : Press and hold the **TUNING/CH** (∧∨) button to automatically search for active broadcasting stations.
   - **Manual Tuning** : Briefly press the **TUNING/CH** (∧∨) button to increase or decrease the frequency incrementally.

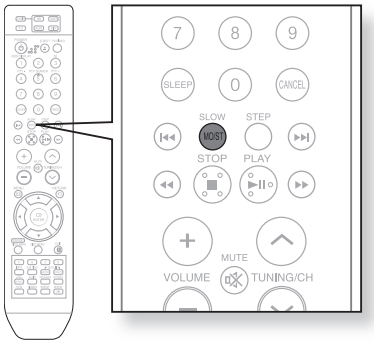
Main Unit

1. Press the **FUNCTION** button to select the FM band.
2. Select a broadcast station.
   - **Automatic Tuning 1** : Press the **STOP** (■) button to select **PRESET** and then press the **SKIP** (⏮ ⏭) button to select the preset station.
   - **Automatic Tuning 2** : Press the **STOP** (■) button to select **MANUAL** and then press and hold the **SKIP** (⏮ ⏭) button to automatically search the band.
   - **Manual Tuning** : Press the **STOP** (■) button to select **MANUAL** and then briefly press the **SKIP** (⏮ ⏭) button to tune in to a lower or higher frequency.

Mono/Stereo

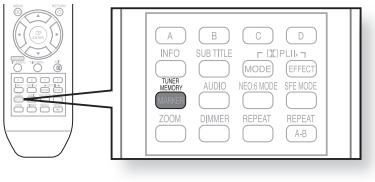
Press the **MO/ST** button to listen in Mono/Stereo.

- Each time the button is pressed, the sound switches between **STEREO** and **MONO**.
- In a poor reception area, select **MONO** for a clear, interference-free broadcast.



PRESETTING STATIONS

Example : Presetting FM 89.10 in the memory

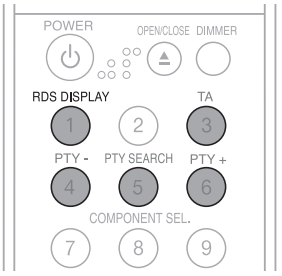


1. Press the **TUNER** button to select the FM band.
2. Press the **TUNING/CH** (∧∨) button to select <89.10>.
3. Press the **TUNER MEMORY** button.
   - **PRGM** flashes in the display.
4. Press the **SKIP** (⏮ ⏭) button to select preset number.
   - You can select between 1 and 15 presets.
5. Press the **TUNER MEMORY** button again.
   - Press the **TUNER MEMORY** button before **PRGM** disappears from the display.
   - **PRGM** disappears from the display and the station is stored in memory.
6. To preset another station, repeat steps 2 to 5.
   - To tune in to a preset station, press the **SKIP** (⏮ ⏭) button on the remote control to select a channel.

ABOUT RDS BROADCASTING

Using the RDS (Radio Data System) to receive FM stations

RDS allows FM stations to send an additional signal along with their regular program signals. For example, the stations send their station names, as well as information about what type of program they broadcast, such as sports or music, etc.



When tuned to an FM station which provides the RDS service, the RDS indicator lights up on the display.

Description on RDS function

- PTY (Program Type) : Displays the type of programme currently being broadcast
- PS NAME (Program Service Name) : Indicates the name of broadcasting station and is composed of 8 characters.
- RT (Radio Text) : Decodes the text broadcast by a station (if any) and is composed of maximum 64 characters.
- CT (Clock Time) : Decodes the real time clock from the FM frequency.Some stations may not transmit PTY, RT or CT information therefore this may not be displayed in all cases.
- TA (Traffic Announcement) : When this symbol flashes it shows that the traffic announcement is in progress.

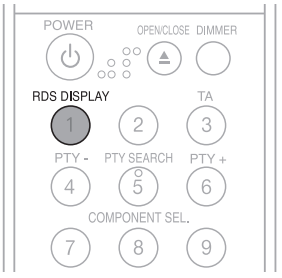
▪ RDS may not operate correctly if the station tuned is not transmitting RDS signal properly or if the signal strength is weak.

To show the RDS signals

You can see the RDS signals the station sends on the display.

Press the RDS DISPLAY while listening to an FM station.

▪ Each time you press the button, the display change to show you the following information : PS NAME ➞ RT ➞ CT ➞ Frequency



- PS (Program Service) : While searching, <PS> appears and then the station names will be displayed. <NO PS> appears if no signal is sent.
- RT(RadioText) : while searching, <RT> appears and then text messages the station sends will be displayed. <NO RT> appears if no signal is sent.
- Frequency : station frequency (non-RDS service)

About characters shown in the display

When the display shows PS,or RT signals,the following characters are used.

- The display window cannot differentiate upper case and lower case letters and always uses upper case letters.
- The display window cannot show accented letters, <A,> for instance, may stands for accented <A's> like <À, Â, Ä, Á, Å and Ã.>

PTY (Program Type) indication and PTY-SEARCH function

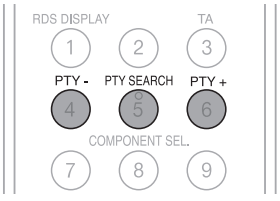
One of the advantages of the RDS service is that you can locate a particular kind of program from the preset channels by specifying the PTY codes

To search for a program using the PTY codes

Before you start, remember...

- The PTY Search is only applicable to preset stations.
- To stop searching any time during the process, press PTY SEARCH while searching.
- There is a time limit in doing the following steps. If the setting is cancelled before you finish, start from step 1 again.
- When pressing the buttons on the primary remote control, make sure that you have selected the FM station using the primary remote control.

1. Press the **PTY SEARCH** while listening to an FM station.
2. Press the **PTY-** or **PTY+** until the PTY code you want appears on the display.
   - The display gives you the PTY codes described to the right.
3. Press the **PTY SEARCH** again, while the PTY code selected in the previous step is still on the display.
   - The center unit searches 15 preset FM stations, stops when it finds the one you have selected, and tunes in that station.



Display	Program Type
NEWS	News including an announced opinion and report
AFFAIRS	Several matters including a current incident, documentary, discussion and analysis.
INFO	Information including weights and measures, returns and forecast, matters interesting the customer, medical information, etc.
SPORT	Sports
EDUCATE	Education
DRAMA	Drama-Radio serial, etc.
CULTURE	Culture-National or local culture including the religious problem, social science, language, theater, etc.
SCIENCE	Natural science and technology
VARIED	Others-Speech, amusing program (quiz, game), interview, comedy and satirical play, etc.
POP M	Pop music
ROCK M	Rock music
M.O.R.M	Current contemporary music considered to be “easy listening.”

Display	Program Type
LIGHT M	Light classical music- Classical music and instrumental and chorus music
CLASSICS	Heavy classical music-Orchestra music, symphony, chamber music and opera
OTHER M	Other music - Jazz, R&B country music
WEATHER	Weather
FINANCE	Finance
CHILDREN	Children’s programmes
SOCIAL A	Social affairs
RELIGION	Religion
PHONE IN	Phone in
TRAVEL	Travel
LEISURE	Leisure
JAZZ	Jazz Music
COUNTRY	Country Music
NATION M	National Music
OLDIES	Oldies Music
FOLK M	Folk Music
DOCUMENT	Documentary

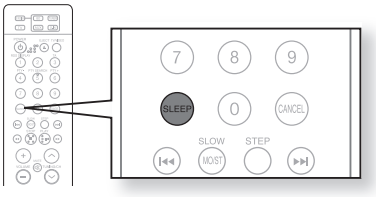
convenient function

SLEEP TIMER FUNCTION

You can set the time that the Blu-ray Home Cinema will shut itself off.

Press the **SLEEP** button.

- Each time the button is pressed, the preset time changes as follows :
  10 ➞ 20 ➞ 30 ➞ 60 ➞ 90 ➞ 120 ➞ 150 ➞ OFF.



To confirm the sleep timer setting, press the **SLEEP** button.

- The remaining time before the Blu-ray Home Cinema will shut itself off is displayed.
- Pressing the button again changes the sleep time from what you have set earlier.

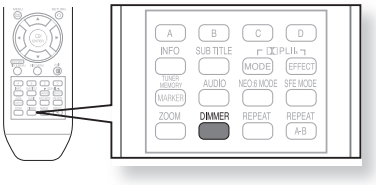
To cancel the sleep timer, press the **SLEEP** button until **OFF** appears on the display.

ADJUSTING DISPLAY BRIGHTNESS

You can adjust the brightness of the display on the main unit so it won't interfere with your movie viewing.

Press the **DIMMER** button.

- Each time the button is pressed, the brightness of front display will be adjusted.

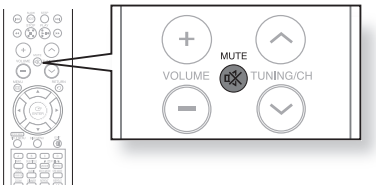


MUTE FUNCTION

This is useful when answering a doorbell or telephone call.

Press the **MUTE** button.

- **MUTE** appears in the display.
- To restore the sound, press the **MUTE** button again.



troubleshooting

Refer to the chart below when this unit does not function properly. If the problem you are experiencing is not listed below or if the instruction below does not help, turn off the unit, disconnect the power cord, and contact the nearest authorized dealer or Samsung Electronics Service Center.

SYMPTOM	Check/Remedy
I cannot eject the disc.	• Is the power cord plugged securely into the outlet? • Turn off the power and then turn it back on.
Playback does not start.	• Check the region number of the BD/DVD. BD/DVD discs purchased from abroad may not be playable. • CD-ROMs and DVD-ROMs cannot be played on this Blu-ray Home Cinema. • Make sure that the rating level is correct.
Playback does not start immediately when the Play/Pause button is pressed.	• Are you using a deformed disc or a disc with scratches on the surface? • Wipe the disc clean.
Sound is not produced.	• No sound is heard during fast playback, slow playback, and step motion playback. • Are the speakers connected properly? Is the speaker setup correctly customized? • Is the disc severely damaged?
Sound can be heard only from a few speakers and not all 8.	• When listening to a CD or radio, sound is output from the front speakers (L/R) only. To enjoy sound over 7 or 8 speakers select the D.PL IIX, Neo:6 or SFE MODE modes. • If you set SBL and SBR to NONE in the speaker mode in the audio setup of the setup screen, no sound is heard from the SBL and SBR speakers. Set SBL and SBR to Small.
Dolby Digital 5.1 CH Surround Sound is not produced.	• Is there "Dolby Digital 5.1 CH" mark on the disc? Dolby Digital 5.1 CH Surround Sound is produced only if the disc is recorded with 5.1 channel sound. • Is the audio language correctly set to DOLBY DIGITAL 5.1-CH in the information display?
The remote control does not work.	• Is the remote control being operated within its operation range of angle and distance? • Are the batteries drained? • Have you selected the mode(TV/BD) functions of the remote control (TV or BD) correctly?
• Disc is rotating but no picture is produced. • Picture quality is poor and picture is shaking.	• Is the TV power on? • Are the video cables connected properly? • Is the disc dirty or damaged? • A poorly manufactured disc may not be playable.
Audio language and subtitles do not work.	• Audio language and subtitles will not work if the disc does not contain them.
Menu screen does not appear even when the menu function is selected.	• Are you using a disc that does not contain menus?
Aspect ratio cannot be changed.	• You can play 16:9 BD/DVDs in 16:9 Wide mode, 4:3 Letter Box mode, or 4:3 Pan - Scan mode, but 4:3 BD/DVDs can be seen in 4:3 ratio only. Refer to the BD disc jacket and then select the appropriate function.

troubleshooting

SYMPTOM	Check/Remedy
• The main unit is not working. (Example: The power goes out or strange noise is heard.) • The Blu-ray Home Cinema is not working normally.	• Turn off the power and hold the **STOP** (⊙) button on the main unit for longer than 5 seconds. Using the RESET function will erase all stored settings. Do not use this unless necessary.
The password for rating level has been forgotten.	• While (NO DISC) message appears on the display of main unit, hold the main unit's **STOP** (⊙) button for longer than 5 seconds. **INITIAL** appears on the display and all settings will return to the default values. • Press the **POWER** button. Using the RESET function will erase all stored settings. Do not use this unless necessary.
Can't receive radio broadcasts.	• Is the antenna connected properly? • If the antenna's input signal is weak, install an external FM antenna in an area with good reception.
While listening to TV audio through the Blu-ray Home Cinema system, no sound is heard.	• If the EJECT button is pressed while listening to TV audio using the D.IN or AUX functions, the BD/DVD functions are turned on and this mutes the TV audio.
The ⊘ icon appears on screen.	• The features or action cannot be completed at this time because: 1. The BD/DVD's software restricts it. 2. The BD/DVD's software doesn't support the feature (e.g., angles) 3. The feature is not available at the moment. 4. You've requested a title or chapter number or search time that is out of range.
If the HDMI output is set to a resolution your TV cannot support (for example, 1080p), you may not see a picture on your TV.	• Press the **STOP** (⊙) button (in front panel) for more than 5 seconds with no disc inside. All settings will revert to the factory settings.
No HDMI output.	• Check the connection between the TV and the HDMI jack of the Blu-ray Home Cinema. • Check if your TV supports 576p/480p/720p/1080i/1080p HDMI input resolution.
Abnormal HDMI output screen.	• If random noise appears on the screen, it means that TV does not support HDCP (High-bandwidth Digital Content Protection).

appendix

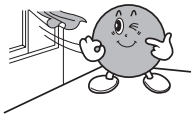
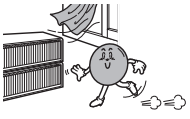
CAUTIONS ON HANDLING AND STORING DISCS

Small scratches on the disc may reduce sound and picture quality or cause skipping.
Be especially careful not to scratch discs when handling them.

Handling discs

Do not touch the playback side of the disc.
Hold the disc by the edges so that fingerprints will not get on the surface.
Do not stick paper or tape on the disc.

Disc Storage

Do not keep in direct sunlight	Keep in a cool ventilated area	Keep in a clean Protection jacket. Store vertically.
		

- Do not allow the discs to become contaminated with dirt.
- Do not load cracked or scratched discs.

Handling and Storing Discs

When you get fingerprints or dirt on the disc, clean it with a mild detergent diluted in water and wipe with a soft cloth.

• When cleaning, wipe gently from the inside to the outside of the disc

- Condensation may form if warm air comes into contact with cold parts inside the player. When condensation forms inside the player, the player may not operate correctly. If this occurs, remove the disc and let the player stand for 1 or 2 hours with the power on.

SPECIFICATIONS

General	Power Requirements	AC 110/240V, 50/60Hz	
	Power Consumption	110 W	
	Weight	9.3 kg	
	Dimensions	429(W) x 325(D) x 79(H) mm	
	Operating Temperature Range	+5°C~+35°C	
	Operating Humidity Range	10 % to 75 %	
Disc	BD (Blu-ray Disc)	Reading Speed : 4.917m/sec	
	DVD (Digital Versatile Disc)	Reading Speed : 3.49 ~ 4.06 m/sec.	
		Approx. Play Time (Single Sided, Single Layer Disc) : 135 min.	
	CD : 12 cm (COMPACT DISC)	Reading Speed : 4.8 ~ 5.6 m/sec.	
		Maximum Play Time : 74 min.	
	CD : 8 cm (COMPACT DISC)	Reading Speed : 4.8 ~ 5.6 m/sec.	
		Maximum Play Time : 20 min.	
Video Output	Composite Video	1 channel : 1.0 Vp-p (75 Ω load)	
		Blu-ray Disc : 576i/480i	DVD : 576i/480i
	Component Video	Y : 1.0 Vp-p (75 Ω load)	
		Pr : 0.70 Vp-p (75 Ω load)	
		Pb : 0.70 Vp-p (75 Ω load)	
		Blu-ray Disc : 1080i, 720p, 576p/480p, 576i/480i DVD : 576p/480p, 576i/480i	
Video/Audio	HDMI	1080p, 1080i, 720p, 576p/480p	
		PCM multichannel audio, Bitstream audio, PCM audio	
Amplifier	Front speaker output	135W x 2(3Ω)	
	Center speaker output	135W(3Ω)	
	Surround speaker output	135W x 2(8Ω)	
	Subwoofer speaker output	150W(3Ω)	
	Surround Back speaker output	135W x 2(3Ω)	
	Frequency range	20Hz~20KHz	
	S/N Ratio	70dB	
	Channel separation	60dB	
	Input sensitivity	(AUX)400mV	
Speaker	Speaker system	7.1ch speaker system	
		Front/Surround, Center, Surround Back	Subwoofer
	Impedance	3 Ω	8 Ω
	Frequency range	120Hz~20KHz	35Hz~160Hz
	Output sound pressure level	86dB/W/M	86dB/W/M
	Rated input	135W	150W
	Maximum input	270W	300W
	Dimensions (W x H x D)	Front/Surround : 124.9 x 1310 x 81.1mm (Stand Base : Ø356mm) Center : 548.6 x 137.1 x 86.3mm Surround Back : 101.6x 269.2 x 96.5mm Subwoofer : 289.5 x 500.3 x 436.8mm	
	Weights	Front/Surround : 6.3 kg, Center : 2.2 kg Surround Back : 1.3 kg, Subwoofer : 16 kg	

*: Nominal specification

- Samsung Electronics Co., Ltd reserves the right to change the specifications without notice.
- Weight and dimensions are approximate.

COPY PROTECTION

- Because AACS (Advanced Access Content System) is approved as content protection system for BD format, similar to use of CSS (Content Scramble System) for DVD format, certain restrictions are imposed on playback, analog signal output, etc., of AACS protected contents. The operation of this product and restrictions on this product may vary depending on your time of purchase as those restrictions may be adopted and/or changed by AACS after the production of this product. Furthermore, BDROM Mark and BD+ are additionally used as content protection system for BD format, which imposes certain restrictions including playback restrictions for BD-ROM Mark and/or BD+ protected contents. To obtain additional information on AACS, BD-ROM Mark, BD+, or this product, please contact SAMSUNG customer care center.
- Many BD/DVD discs are encoded with copy protection. Because of this, you should only connect your Blu-ray Home Cinema directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected BD/DVD discs.
- This product incorporates copyright protection technology that is protected by methods claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation and is intended for home and other limited viewing uses only, unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.
- Under the U.S. Copyright laws and Copyright laws of other countries, unauthorized recording, use, display, distribution, or revision of television programs, videotapes, BDs, DVDs, CDs and other materials may subject you to civil and/or criminal liability.
- **PROGRESSIVE SCAN OUTPUTS (525p/625p)** CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE `STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525p DVD PLAYER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.

Compliance and Compatibility Notice

NOT ALL discs are compatible

- Subject to the restrictions described below and those noted throughout this Manual, including the Disc Type and Characteristics section of this Manual, disc types that can be played are: pre-recorded commercial BDROM, DVD-Video, and Audio CD discs; DVD-RW / DVDR discs; and CD-RW/CD-R discs.
- Discs other than the above cannot and/or is not intended to be played by this player. And some of the above discs may not play due to one or more reasons provided below.
- HD DVD discs cannot be played in this player.
- Samsung cannot assure that this player will play every disc bearing the BD-ROM, DVD-Video, DVD-RW / DVDR and CD-RW / CD-R logos, and this player may not respond to all operating commands or operate all features of every disc. These and other disc compatibility and player operation issues with new and existing format discs are possible because:
  - BD format is a new and evolving format and this player may not operate all features of BD discs because some features may be optional, additional features may have been added to the BD format after the production of this player, and certain available features may be subject to delayed availability;
  - not all new and existing disc format versions are supported by this player;
  - new and existing disc formats may be revised, changed, updated, improved and/or supplemented;
  - some discs are produced in a manner that allows specifi c or limited operation and feature during playback;
  - some features may be optional, additional features may have been added after the production of this player or certain available features may be subject to delayed availability;
  - some discs bearing the BD-ROM, DVD-Video, DVD RW/ DVD-R and CD-RW/ CD-R logos may still be nonstandardized discs;
  - some discs may not be played depending on their physical state or recording conditions;
  - problems and error can occur during the creation of BD, DVD and CD software and/or the manufacture of discs;
  - this player operates differently than a standard DVD player or other AV equipment; and/or
  - for reasons noted throughout this Manual and for other reason(s) discovered and posted by SAMSUNG customer care center.
- If you encounter disc compatibility or player operation problems, please contact SAMSUNG customer care center. You may also contact SAMSUNG customer care center for possible updates on this player.
- For additional information on playback restrictions and disc compatibility, refer to the Precautions, Before Reading the User's Manual, Disc Types and Characteristics, and Before Playing sections of this Manual.

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

Region	Country	Customer Care Center ☎	Web Site
North America	CANADA	1-800-SAMSUNG(726-7864)	www.samsung.com/ca
	MEXICO	01-800-SAMSUNG(726-7864)	www.samsung.com/mx
	U.S.A	1-800-SAMSUNG(726-7864)	www.samsung.com/us
Latin America	ARGENTINE	0800-333-3733	www.samsung.com/ar
	BRAZIL	0800-124-421 , 4004-0000	www.samsung.com/br
	CHILE	800-SAMSUNG(726-7864)	www.samsung.com/cl
	COSTA RICA	0-800-507-7267	www.samsung.com/latin
	ECUADOR	1-800-10-7267	www.samsung.com/latin
	EL SALVADOR	800-6225	www.samsung.com/latin
	GUATEMALA	1-800-299-0013	www.samsung.com/latin
	JAMAICA	1-800-234-7267	www.samsung.com/latin
	PANAMA	800-7267	www.samsung.com/latin
	PUERTO RICO	1-800-682-3180	www.samsung.com/latin
	REP. DOMINICA	1-800-751-2676	www.samsung.com/latin
	TRINIDAD & TOBAGO	1-800-SAMSUNG(726-7864)	www.samsung.com/latin
	VENEZUELA	0-800-100-5303	www.samsung.com/latin
	COLOMBIA	01-8000112112	www.samsung.com.co
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